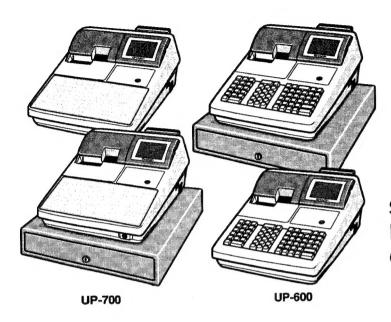


SHARP SERVICE MANUAL

CODE: 00ZUP600VSM/E



UP-600 MODEL UP-700

SRV Key: LKGIM7113RCZZ

PRINTER : PR-58HA (For "V" version)

CONTENTS

CHAPTER 1. SPECIFICATIONS1 - 1
CHAPTER 2. OPTIONS2 - 1
CHAPTER 3. SERVICE PRECAUTION3 - 1
CHAPTER 4. SRV. RESET AND MASTER RESET 4 - 1
CHAPTER 5. DIAGNOSTICS SPECIFICATIONS5 - 1
CHAPTER 6. CIRCUIT DESCRIPTION6 - 1
CHAPTER 7. CIRCUIT DIAGRAM7 - 1
CHAPTER 8. PWB LAYOUT8 - 1
PARTS GUIDE

Parts marked with "A" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

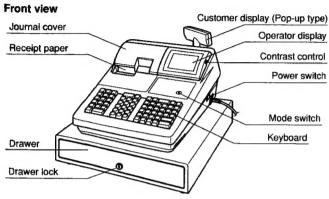


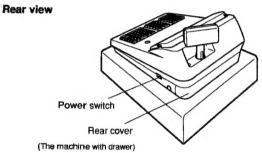
CHAPTER 1. SPECIFICATION

1. APEARANCE

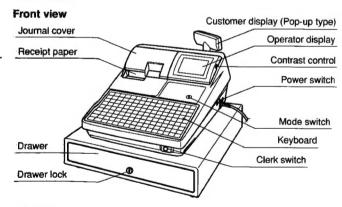
External view

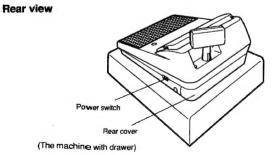
<UP-600>





<UP-700>





2. RATING

	UP-600	UP-700
External dimensions : With a drawer (With the pop-up displayed housed)	420 (W) x 448 (D) x	306 (H) mm
External dimensions : Without a drawer (With the pop-up displayed housed)	340 (W) x 433 (D) x	202 (H) mm
Weight : With a drawer	15.0kg	
Weight: Without a drawer	7.0kg	
Power source	Official (normal) volt	age and frequency
Power consumption	Stand-by : 18 W	
	Operating: 68 W (max.)	
Working temperatures	0 to 40 °C	

- * TQ, TR, TS version : Without a drawer.
- * KA, KB version : With a drawer.
- * The height of the ECR is 50 mm higher when the pop-up display is pulled up.

3. KEYBOARD

1) STANDARD KEYBOARD LAYOUT

<UP-600>

RECEIPT	JOURNAL	RCPT	PLU/	EAN	AMT	CUST	REPEAT	PRI CHA	CE NGE	INQ	CASH #
MISC FUNC	CANCEL	ENTER	\otimes	\odot	CL	5	10	15	20	AUTO 1	AUTO 2
PAGE UP	lacktriangle	PAGE DOWN	7	8	9	4	9	14	19	EX #	CHARGE
•	lacksquare	left	4	5	6	3	8	13	18	CH #	CR #
RA	PO	#/TM	1	2	3	2	7	12	17	S	T
RF	C	<u>ه</u>	0	00	000	1	6	11	16	T	

<UP-700>

RECEIPT	JOURNAL	G.C. ROPT	AUTO	TEXT	9	18	27	36	45	54	63	72	81	90	99
MISC	CANCEL	ENTER	AUTO 2	LEVEL	l a	17	26	35	44	53	ì —	71	80	89	98
PAGE UP	lacksquare	PAGE DOWN	VAT SHIFT	EX #	7	16	25	34	43	52	61	70	79		97
\blacksquare	lacksquare	lacksquare	PLU/ SUB	တြ	6	15	24	33	42	51	60	69	78	87	96
\otimes	ldot	CL	BS	RECALL GLU	5	14	23	32	41	50	59	68	77	86	95
\overline{Z}	8	9	OPENED GŁU	GLU		13	22	31	40	49	58	67	76	85	94
4	[5]	6	CH #	NBAL		12	21	30	39	48	57	66	75	84	93
1		3	CR #	FINAL	(₂	11	20	29	38	47	56	65	74	83	92
00	0	000	ST	TL		10)	19	28	37	46	55	64	73	82	91



2) KEY TOP NAME

① Standard key top

KEY TOP	DESCRIPTION	UP-600	UP-700
0-9, 00, 000	Numeric keys	0	0
0 0, 00, 000	Decimal Point key	0	0
CL	Clear kev	0	0
⊗	Multiplication key	0	0
RECEIPT 1	Receipt paper feed key	0	0
JOURNAL 1	Journal paper feed key	0	0
PAGE UP	Page up key	0	0
PAGE DOWN	Page down key	0	0
RA	Received-on-account key	0	
PO	Paid-out key	0	-
MISC FUNC	Miscellaneous function key	0	0
#/TM	Non-add code / Date & time key	0	-
CANCEL	Cancel key	0	0
← → ↑ ↓	Cursor keys	0	0
ENTER	Enter key	0	0
EX#	Foreign currency exchange menu key	0	0
RF	Refund Key	0	-
CASH#	Cashier code entry key	0	-
RCPT	Receipt print Key	0	-
S	Void Key	0	0
PLU/EAN	PLU/EAN code entry key	0	-
PLU/SUB	PLU/SUB dept. code entry	-	0
	key		
AMT	Amount entry key	0	-
(Dept) 1 to 20	Departent 1 to 20 keys	0	-
(D-PLU) 1 to 99	Direct PLU 1 to 99 keys	-	0
PRICE CHANGE	Price Change key	0	-
INQ	Inquiry key	0	-
REPEAT	Repeat entry key	0	-
AUTO1, 2	Automatic sequencing1 and 2 keys	0	0
CR#	Credit Menu Key	0	0
CH#	Check Menu Key	0	0
ST	Subtotal Key	0	0
TL	Total Key	0	0
CUST	Customer Code entry key	0	-
CHARGE	Tentative Finalization key	0	-
FINAL	Tentative finalization key	-	0
TEXT#	Text Menu key	-	0
LEVEL#	PLU level shift key	-	0
OPENED GLU	Opened GLU list key	-	0
GLU	Guest Look-up key	-	0
NBAL PECALL CLL	New Balance key	-	0
G.C.RCPT	Recall GLU key	-	0
BS	Guest Check Receipt key	-	
VAT SHIFT	Bill Separate key	 -	0
VALORIFI	TAX Shift Key		0

② Optional key top

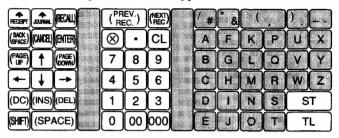
KEY TOP	DESCRIPTION	UP-600	UP-700
BACK SPACE	Back space key	0	0
(D-PLU) 1 to 89	Direct PLU 1 to 89 Keys	0	-
(D-PLU) 100 to 123	Direct PLU 100 to 123 Keys	-	0
(Dept) 21 to 99	Department 21 to 99 Keys	0	-
(Dept) 1 to 99	Department 1 to 99 Keys	-	0
TEXT 1 to 10	Text 1 to 10 keys	0	0
%1 to 5	Percent 1 to 5 keys	0	0
(-) 1 to 5	Discount 1 to 5 keys	0	0
CR1 to 9	Credit 1 to 9 keys	0	0
CA#	Cash menu key	0	-
CA2 to 5	Cash total 2 to 5 keys	0	0
EX1 to 9	Foreign currency exchange 1 to 9 keys	0	0
RA1 to 2	Received-on-Account 1 and 2 keys	-	0
RA2	Received-on-Account 2 key	0	-
PO1 to 2	Paid out key 1 and 2 keys	-	0
PO2	Paid out key 2 key	0	-
AUTO3 to 10	Automatically Entry 3 to 10 Keys	0	0
CH1 to 5	Check 1 to 5 keys	0	0
FINAL	Tentative finalization key	0	-
P-SHIFT#	Price level shift number key	0	0
LEVEL#	PLU level shift key	0	-
GUEST#		0	-
OPENED GLU	Opened GLU list key	0	-
GLU	Guest Look-up key	0	-
NBAL	New Balance key	0	-
CASH TIP	Cash tip key	0	0
NON-CASH TIP	Non-cash tip key	0	0
TIP PAID	Tip paid key	0	0
12	1/2 key	0	0
NS	No sale key	0	0
CLERK#	Clerk code entry key	0	0
SCALE	Scale entry key	0	0
OPEN TARE	Tare entry key	0	0
SLIP	Slip printer key	0	0
RCP SW	Receipt ON/OFF key	0	0
PINT	Pint key	0	0
DEPO (+)	Deposit plus entry key	0	0
DEPO (-)	Deposit minus entry key	0	0
DEPT#	Department number key	0	0
TEXT#	Text number key	0	-
WITH	With key	0	0
WITH OUT	Without key	0	0
G.C. RCPT	Guest check receipt key	0	-
TRANS OUT	Transfer out key	0	0
TRANS IN	Transfer in key	0	0



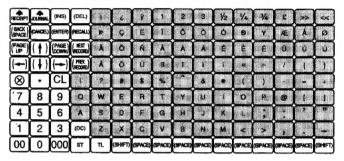
KEY TOP	DESCRIPTION	UP-600	UP-700
RCP SW	Receipt shift key	0	0
BS	Bill separation key	0	-
вт	Bill totalize / bill transfer key	0	0
VP	Validation print key	0	0
RTN	Return key	0	0
DIFFER ST	Difference subtotal key	0	0
VAT	Value-added tax key	0	0
VAT SHIFT	Value-added tax shift key	0	-
GC COPY	Guest check copy key	0	0
VIP1 to 3	VIP sale 1 to 3 keys	0	0
CLK1 to 10	Clerk entry 1 to 10 keys	0	0
CHK PRINT	Check print key	0	0
L1 to 3	PLU level shift 1 to 3 keys	0	0
PRICE SHIFT1 to 3	Price level shift 1 to 3 keys	0	0
PLU MENU01 to 25	PLU menu 1 to 25 keys	0	0
C_NEXT	Condiments next key	0	0
E.BILL	Entertaiment bill key	0	0
RECALL GLU	Recall total status key	0	-
S.SFT	Sort group shift key	0	0
DEL	Delete key	0	0
RF	Refund key	-	0
AMT	Amount entry key	-	0
#/TM	Non-add code / Date & Time display key	-	0
CASH#	Cashier code entry key	-	0
RCPT	Receipt print key	-	0
REPEAT	Repeat key	-	0
INQ	Inquiry key	-	0
CUST	Customer code entry key	-	0
PRICE CHANGE	EAN price change key	-	0
CHARGE	Charge key	-	0

3) TEST PROGRAMMING KEY SHEET LAYOUT

<UP-600 : Keyboard cover type>



<UP-700 : Keyboard sheet type>

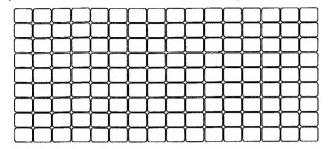


: The shaded area contains the character keys which are used for programming characters.

KEY TOP	DESCRIPTION
SHIFT	Used for programming characters. For more
DC	information about programming characters, see the section "How to Enter Alphanumeric
INS	Characters."
DEL	
BACK SPACE	
→ ← ↑ ↓	Used to move the cursor.
ENTER	Used to program each setting.
TL	Used to finalize programming.
CANCEL	Used to cancel programming and to get back to the previous screen.
PREV RECORD	Used to go back to the previous ecord, e.g. from the department 2 programming window back to the department 1 programming window.
NEXT RECORD	Used to go to the next record, for example, in order to program unit prices for sequential departments.
PAGE DOWN	Used to scroll the window to go to the next page.
PAGE UP	Used to scroll the window to go tack to the previous page.
CL	Used to clear the last setting you have programmed or clear the error state.
•	Used to toggle between two or no re options.
ST	Used to list those options which ou can toggle by the [•] key.
RECALL	Used to call up a desired code.
Numeric keys	Used for entering figures.



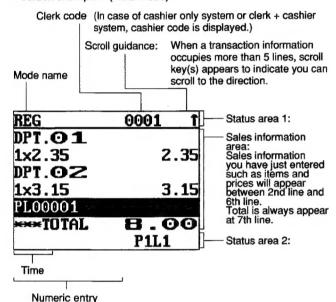
4) BLANK KEY SHEET LAYOUT (Only for UP-700)



3. DISPLAY

1) OPERATOR DISPLAY

Screen example 1 (REG mode)



Price level shift indicator (P1-P3)

: Shows the PLU/EAN price level currently selected.

PLU level shift indicator (L1-L3)

: Shows the PLU level currently selected.

Receipt shift indicator (r)

: Shows the receipt shift status.

T-Log near full indicator

: Appears () when the used memory is 80%.

: Appears () when the used memory is 90%.

: Appears () when the used memory is 95%.

Stock alarm indicator (!)

 Appears when the stock of the PLU which you entered is zero, negative or reaches the minimum stock.

VAT shift status indicator (V)

: Appears when the VAT status is shifted.

Electronic mail indicator

: Appears when an electronic mail is received. (Status 1 area)

Receipt ON/OFF status indicator (R)

: Appears when the receipt ON-OFF function signs OFF.

Sentinel mark (X)

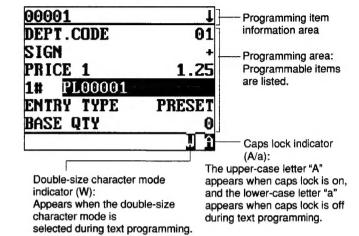
 Appears in the lower right corner of the screen when the cash in drawer exceeds a programmed sentinel amount. The sentinel check is performed for the total cash in drawer.

the total

VMP file full indicator (1,2, or 3)

: When a VMP file used memory is 90% or more, its file number is indicated.

Screen example 2 (PGM mode)



Screen save mode

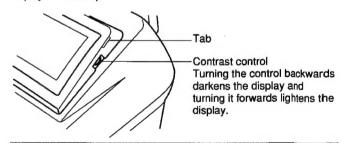
When you want to save the electric power or save the display's life, use the screen save function. This function can turn the LCD off when any server does not operate the POS terminal for an extended period of time. You can program the time for which your POS terminal should keep the normal status (in which the backlight is "ON") before it goes into the screen save mode.

To go back to the normal mode, press any key.

Device type	LCD display	
Dot format	320(W) x 240(H) Full dot	
Dot size	0.24 (W) x 0.21 (H) mm	
Dot space	0.02 mm	
Dot color	White	
Back color	Dark blue	

2) DISPLAY ADJUSTMENT (OPERATION DISPLAY)

You can adjust the contrast of the display by using the contrast control, and also you can adjust the display angle. Pull up the tab, the display will head up.



The backlight in the display is a consumable part.

When the LCD display may no longer be adjusted and becomes darker, you should change the backlight.

Consult your authorized SHARP dealer for further details.

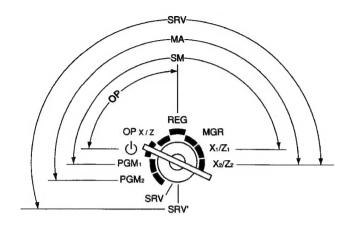
3) CUSTOMER DISPLAY (Pop-up-type)





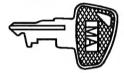
4. KEYS AND SWITCHES

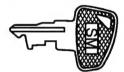
1) MODE SWITCH AND MODE KEYS



· Manager key (MA)

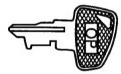


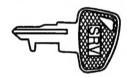




Operator key (OP)







The mode switch has these settings:

U: This mode locks all register operations.

No change occurs to register data.

OP X/Z: This setting allows cashiers/clerks to take X or Z reports for their sales information. (This setting may be used only when your register has been programmed for "OP X/Z mode available" in the PGM2 mode.)

REG: For entering sales

PGM1: To program those items that need to be changed often: e.g., unit prices of departments, PLUs or EANs, and per-

PGM2: To program all PGM1 items and those items that do not require frequent changes: e.g., date, time, or a variety of register functions

MGR: For manager's and submanager's entries

The manager can use this mode to make entries that are not permitted to be made by cashiers -for example, after-transaction voiding and override entry.

X1/Z1: To take the X/Z report for various daily totals

X2/Z2: To take the X/Z report for various periodic (weekly or monthly) consolidation

2) CLERK KEYS (Standard for the UP-700)

This POS terminal allows the operator to use clerk keys (real clerk keys) for clerk identification.

12 real clerk keys are provided with your POS terminal, and a maximum 126 real clerk keys can be provided.



3) DRAWER LOCK KEY

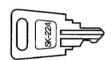
This key locks and unlocks the drawer. To lock it, turn 90 degrees counterclockwise. To unlock it, turn 90 degrees clockwise.

(In case your POS terminal has not the drawer supplied by SHARP, this key is not supplied.)



4) PRINTER COVER LOCK KEY

This key locks and unlocks the printer cover. To lock it, turn 90 degrees counterclockwise. To unlock, turn 90 degrees clockwise.



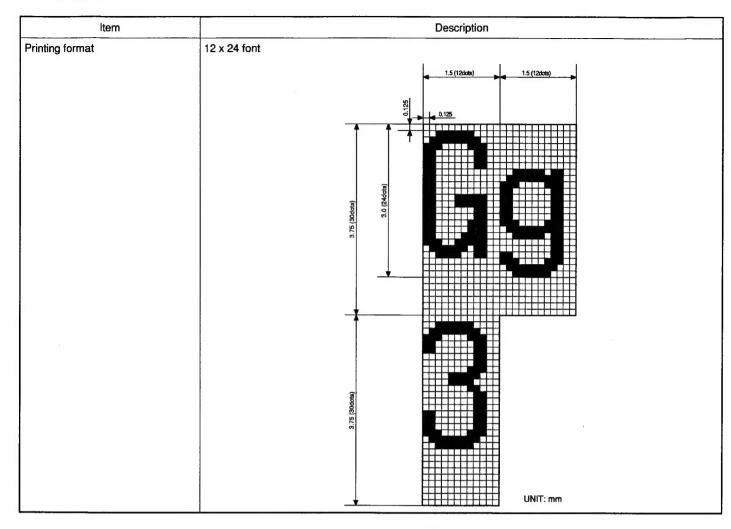


5. PRINTER

1) PRINTER (PR-58HA)

Item		Description
No. of station	2: Receipt and Journal	
Validation	No	
Printing system	Line thermal	
No. of dot	Receipt:	360 dots
	Journal	360 dots
Dot pitch	Horizontal:	0.125 mm
	Vertical:	0.125 mm
Font	10 dots (W) x 24 dots (H)	
Printing capacity	Receipt:	Max. 30 characters
	Journal:	Max. 30 characters
Character size	1.25 mm (W) x 3.0 mm (H):	At 10 x 24 dots
Print pitch	Column distance:	1.5 mm
	Row distance:	3.75 mm
Paper feed speed	Approximate 65 mm/s	
Reliability	Mechanism:	MCBF 5 milion lines
Paper end sensor	Yes (Receipt and Journal)	
Cutter	Auto	
Paper near end sensor	No	
Printing area	0.125	106(848dots) 360dots (5.5) (45) (5.5) (7.0) 57.5 ±0.5 5.0 UNIT: mm





2) AUTOCUTTER

Item	Description
Cutting method	Full cutting (excluding 4 points)
	Partial cutting (excluding 3 points)
Cuttable thickness	Thermal paper: 60 - 80 μ mm
Cuttable width	57.5 ± 0.5 mm
Reliability	Life: 300,000 times

3) PAPER

ltem	Description	
Name	Heat-quality paper	
Roll dimension	57.5 ± 0.5 mm in width	
Thickness	0.06 mm to 0.08 mm	

6. DRAWER (Used for only KA and KB version)

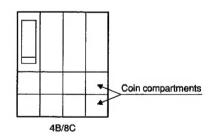
1) SPECIFICATION

(1) Drawer box and drawer

Model name	SK-423
Size	420 (W) x 427 (L) x 114 (H)
Color	GRAY 368
Material	Metal
Bell	_
Release lever	Standard equipment; Situated at the bottom
Drawer open sensor	Standard equipment

2) MONEY CASE

Separation from the drawer	Allowed
Separation of the coin compartments from the money case	Allowed
Bill separator	Standard (1 pcs)
Number of compartments	4B/8C



3) LOCK

Location of the lock	Front			
Method of locking and unlocking	Locking:	Insert the drawer lock key into the lock and turn it 90 degrees counterclockwise.		
	Unlocking:	Insert the drawer lock key into the lock and turn it 90 degrees clockwise.		
Key No.	SK1-1			

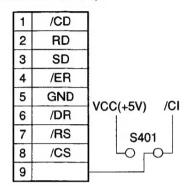


7. RS232 INTERFACE

This machine have two the RS232 standard port for the communication to PC, Hand scanner (ER-A6HS1) and etc.

1) PORT 1 (CH1) (CN402)

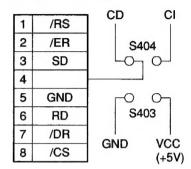
Connector type: D-SUB 9pin Data rate: max. 38,400 bps



2) PORT2 (CH2) (CN403)

Connector type: Modular jack RJ45 8pin

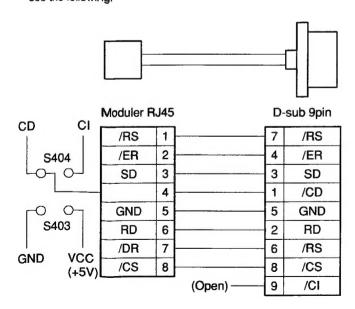
Data rate: max. 115,200 bps



3) OPTIONAL DEVICES THAT CAN BE CONNECTED

	Stand	ard port	Option port (ER-A5RS, ER-01EF)		
Port No.	Port1: CH1	Port2: CH2	Port3:	Port4:	
Туре	D-SUB 9pin	Moduler RJ45	D-SUB 9pin	D-SUB 9pin	
CI/+5V selectable	0	_	0	0	
ER-A6HS1 (+5V necessary)	0	_	0	0	
Scanner (+5V not necessary)	0	0	0	0	
Modem	0	_	0	0	
PC	0	0	0	0	
Printer, Scale	0	0	0	0	
POS utility, 02fd.exe	_	0	_	_	

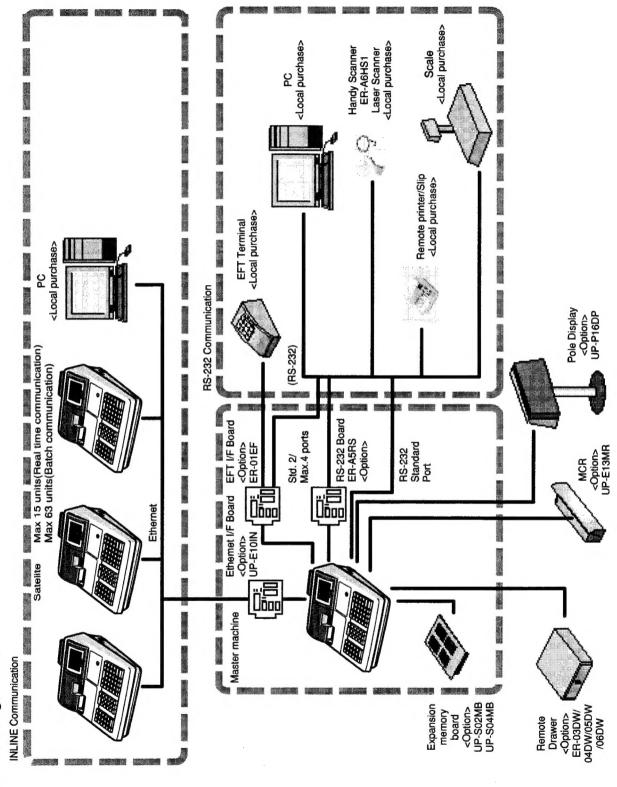
- * The ER-A6HS1 cannot be connected to port 2 because it requires +5V.
- * The modern cannot be connected to port 2 because it uses a different signal line.
- * For the conversion cable for the D-sub 9 pin and modular RJ-45, see the following.





CHAPTER 2. OPTIONS

1. System configuration





2. SALES OPTIONS

No.	CLASSIFICATION	COMPONENT NAME	MODEL NAME	REMARK
1	Memory	Expansion RAM board	UP-S02MB	2M bytes PS-RAM board
			UP-S04MB	4M bytes PS-RAM board
2	Display	Remote display (Pole type)	UP-P16DP	11-Dig.7-Seg. + 16-Dig.Dot
3	Drawer	Remote drawer	ER-03DW	
			ER-04DW	
			ER-05DW	
		Coin case	ER-48CC2	4B/8C
			ER-48CC3	4B/8C
			ER-58CC2	5B/8C
		Coin case cover	ER-01CV1-5	
			ER-02CV1-5	
			ER-03CV	
4	On-line function	RS232 I/F board	ER-A5RS	2 ports RS232 I/F
5	In-line funnction	In-line I/F	UP-E10IN	Ethernet I/F
6	Card reader	MCR (Magnetic Card Reader)	UP-E13MR	ISO Type 1 : 3 stripe card
7	EFT function	EFT terminal I/F	ER-01EF	
8	Scanner	Barcord hand scanner	ER-A6HS1	
9	Key kit	1 x 1 key top kit	ER-11KT7	
		1 x 2 key top kit	ER-12KT7	
		2 x 2 key top kit	ER-22KT7	
		1 x 1 dummy key top kit	ER-11DK7G	
		5 x 1 dummy key top kit	ER-51DK7G	

3. LOCAL PURCHASE OPTIONS

No.	COMPONENT NAME	MODEL NAME	
1	External printer	TM-T85/T88/T88(2)	
		TM-U210	
2	Slipprinter	TM-295	
3	Scale I/F		



4. SERVICE OPTIONS

No.	NAME	PARTS CODE	PRICE	DESCRIPTION
1	1 hole clerk key	LKGiM1004BH13	BH	Key No. 13
	The key No.1 to No.12 ore supplied together with UP-700.	LKGiM1004BH14	ВН	Key No. 14
		LKGiM1004BH15	BH	Key No. 15
		LKGiM1004BH16	BH	Key No. 16
		LKGiM1004BH17	BH	Key No. 17
		LKGiM1004BH18	BH	Key No. 18
		LKGiM1004BH19	BH	Key No. 19
		LKGiM1004BH20	BH	Key No. 20
		LKGiM1004BH21	BH	Key No. 21
		LKGiM1004BH22	ВН	Key No. 22
		LKGiM1004BH23	BH	Key No. 23
		LKGiM1004BH24	BH	Key No. 24
		LKGIM1004BH25	BH	Key No. 25
		LKGiM1004BH26	BH	Key No. 26
		LKGiM1004BH27	BH	Key No. 27
		LKG1M1004BH28	BH	Key No. 28
		LKGiM1004BH29	BH	Key No. 29
		LKGiM1004BH30	ВН	Key No. 30
		LKGIM1004BH31	ВН	Key No. 31
		LKGiM1004BH32	ВН	Key No. 32
		LKGIM1004BH33	BH	Key No. 33
		LKGiM1004BH34	BH	Key No. 34
		LKGiM1004BH35	BH	Key No. 35
		LKGIM1004BH36	BH	Key No. 36
		LKGIM1004BH37	BH	Key No. 37
		LKGiM1004BH38	BH	Key No. 38
		LKGIM1004BH39	BH	Key No. 39
		LKGIM1004BH40	BH	Key No. 40
		LKG1M1004BH41	BH	Key No. 41
		LKGiM1004BH42	BH	Key No. 42
		LKGiM1004BH43	BH	Key No. 43
		LKGiM1004BH44	BH	Key No. 44
		LKGiM1004BH45	BH	Key No. 45
		LKGiM1004BH46	BH	Key No. 46
		LKGiM1004BH47	BH	Key No. 47
		LKGiM1004BH48	BH	Key No. 48
		LKGiM1004BH49	BH	Key No. 49
		LKGiM1004BH50	BH	Key No. 50
		LKGiM1004BH51	BH	Key No. 51
		LKGiM1004BH52	ВН	Key No. 52
		LKGiM1004BH53	BH	Key No. 53
		LKGIM1004BH54	BH	Key No. 54
		LKGiM1004BH55	BH	Key No. 55
		LKGIM1004BH56	BH	Key No. 56
		LKGiM1004BH57	BH	Key No. 57
		LKGIM1004BH58	BH	Key No. 58
		LKGiM1004BH59	BH	Key No. 59
		LKGiM1004BH60	BH	Key No. 6O
		LKGiM1004BH61	BH	Key No. 61
		LKGiM1004BH62	BH	Key No. 62
		LKGiM1004BH63	BH	Key No. (3
		LKGiM1004BH64	BH	Key No. 64
		LKGiM1004BH65	ВН	Key No. 65
		LKGiM1004BH66	BH	Key No. 66
		LKGiM1004BH67	ВН	Key No. 67
		LKGiM1004BH68	ВН	Key No. 8
		LKGiM1004BH69	ВН	Key No. 69
		LKGiM1004BH70	вн	Key No. 70



No.	NAME	PARTS CODE	PRICE	DESCRIPTION
1	1 hole clerk key	LKGiM1004BH71	BH	Key No. 71
•	The key No.1 to No.12 ore supplied together with UP-700.	LKGiM1004BH72	BH	Key No. 72
		LKGIM1004BH73	BH	Key No. 73
		LKGiM1004BH74	BH	Key No. 74
		LKGiM1004BH75	BH	Key No. 75
		LKGiM1004BH76	BH	Key No. 76
		LKGiM1004BH77	BH	Key No. 77
		LKGiM1004BH78	BH	Key No. 78
		LKGiM1004BH79	BH	Key No. 79
		LKGiM1004BH80	BH	Key No. 80
		LKGiM1004BH81	BH	Key No. 81
		LKGiM1004BH82	BH	Key No. 82
		LKGiM1004BH83	BH	Key No. 83
		LKGiM1004BH84	BH	Key No. 84
		LKGiM1004BH85	BH	Key No. 85
		LKGiM1004BH86	BH	Key No. 86
		LKGiM1004BH87	BH	Key No. 87
		LKGiM1004BH88	BH	Key No. 88
		LKGiM1004BH89	BH	Key No. 89
		LKG1M1004BH90	BH	Key No. 90
		LKGiM1004BH91	BH	Key No. 91
	·	LKGiM1004BH92	BH	Key No. 92
		LKGiM1004BH93	ВН	Key No. 93
		LKGiM1004BH94	BH	Key No. 94
		LKG1M1004BH95	BH	Key No. 95
		LKGiM1004BH96	BH	Key No. 96
		LKGIM1004BH97	BH	Key No. 97
		LKGIM1004BH98	BH	Key No. 98
		LKGiM1004BH99	BH	Key No. 99
		LKGiM1004BH00	BH	Key No. 100
		LKGIM1004BHA1	BH	Key No. 101
		LKGiM1004BHA2	BH	Key No. 102
		LKGiM1004BHA3	BH	Key No. 103
		LKGIM1004BHA4	BH	Key No. 104
		LKGIM1004BHA5	BH	Key No. 105
		LKGiM1004BHA6	BH	Key No. 106
		LKGIM1004BHA7	BH	Key No. 107
		LKGiM1004BHA8	BH	Key No. 108
		LKG i M1 0 0 4 BHA 9	BH	Key No. 109
		LKGiM1004BHA0	BH	Key No. 110
		LKGiM1004BHB1	BH	Key No. 111
		LKGiM1004BHB2	BH	Key No. 112
		LKG:M1004BHB3	BH	Key No. 113
		LKGIM1004BHB4	BH	Key No. 114
		LKGIM1004BHB5	BH	Key No. 115
		LKG i M1 0 0 4 BHB 6 LKG i M1 0 0 4 BHB 7	BH	Key No. 116
		LKGIM1004BHB7	BH	Key No. 117
		LKGIM1004BHB8	BH	Key No. 118
		LKGIM1004BHB9	BH	Key No. 119
			BH	Key No. 120
		LKGiM1004BHC1 LKGiM1004BHC2	BH	Key No. 121
		LKG1M1004BHC2	BH	Key No. 122
		LKG1M1004BHC4	BH	Key No. 123
		LKG1M1004BHC5	BH	Key No. 124
		LKGIM1004BHC6	BH	Key No. 125
	Mode keep de agree	LKGIM7126BHZZ	BH	Key No. 126
2	Mode key grip cover		AX	For MA key only
3	Dripproof keyboard cover	GCÕVB7109BHZZ GCÕVB7108BHZZ	BF	For UP-600 only
4	Dripproof mode switch cover		BA	Familia con and
_5	Text preset key cover	GCOVB7110BHSA	BG	For UP-600 only
6	1 hole clerk kit	DK i T-8669BHZZ	BP	For UP-600 only
7	Drawer separation kit	DKiT-3409BHZZ	AP	



5. SERVICE TOOLS

No.	NAME	PARTS CODE	PRICE	DESCRIPTION
1	Service key	LKGiM7113RCZZ	AF	
2	RS232 Loop Back Connector	UKŌG-6705RCZZ	BC	For RS232 D-SUB 9pin connector
3	RS232 modular Loop Back Connector	UKŌG-6729BHZZ	AZ	For RS232 RJ45 Modular jack connector
4	Expansion PWB for option board	CKOG-6708RCZZ	BU	For ER-A5RS or ER-01EF
5	MCR test card	UKŌG-2357RCZZ	BL	For UP-E13MR
6	Keytop remover	UKŌG-6634RCZZ	AX	For UP-600 only
7	Keytop inst. jig	UKŌG-6725BHZZ	BB	For 2 X 2 key top

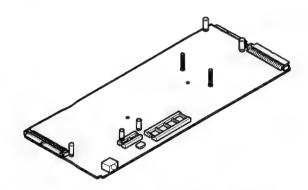
6. SUPPLIES

No.	NAME	PARTS CODE	PRICE	DESCRIPTION
1	Thermal roll paper	TPAPR6656RC05	BA	5 Rolls / pack
2	Thermal roll paper (High preservatic type)	TPAPR6657RC05	BD	5 Rolls / pack
3	Key sheet (Normal key layout)	PSHEK2926BHZA	AQ	For UP-700 only
4	Key sheet (Character key layout)	PSHEK2927BHZA	AG	For UP-700 only
5	Key sheet (Blank key layout)	PSHEK2930BHZA	AG	For UP-700 only

7. HOW TO USE SERVICE TOOLS

7-1. EXPANSION PWB: CKOG-6708RCZZ

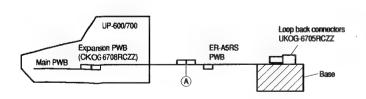
External view



Purpose 1: Used for servicing and repairing of options (such as the and the ER-A5RS) wich are connected with the main body option connector.

[Procedure 1]

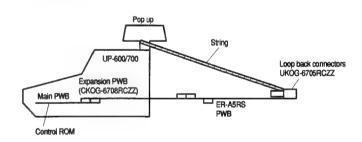
Use an insulator base as shown in shaded section and perform servicing.



To check the option I/F PWB from the solder side, connect the I/F PWB to OPTCN2. To check from the parts side, connect to OPTCN3.

(Note) The option I/F PWB should be held horizontally so that no excessive stress is applied to connecting section (A).

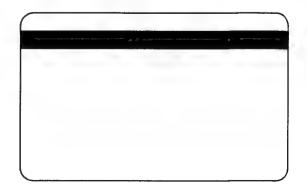
[Procedure 2]



Put a string between the pop up and the option PWB. Adjust the length of the string so that the CKOG-6708RCZZ and the option PWB are not binding. Then perform servicing.

7-2. MCR TEST CARD: UKOG-2357RCZZ

- Used when executing the diagnostics of the UP-E13MR.
- External view





CHAPTER 3. SERVICE PRECAUTION

1. IPL (Initial Program Loading) FUNCTION

1) INTRODUCTION

The application software of the UP-600/700 written in the flash ROM. In the following cases, writing procedure of the application software into the flash ROM is required

- When the flash ROM is replaced with new one. The service part flash ROM does not include the application software in it.
- · When IPL writing is required because of change in the software.
- * The service part of the main PWB unit includes the flash ROM with the application software written in it, and there is no need for writing the application software when replacing the main PWB unit.

2) IPL PROCEDURE

There are two ways of IPL procedures.

- IPL from P-ROM
- IPL from PC communication (Please refer the next section)

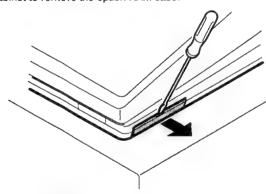
The detailed descriptions on the above procedures are given below.

3) IPL FROM P-ROM

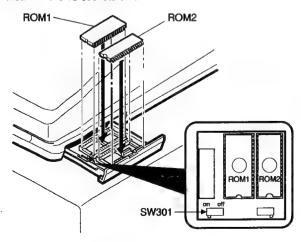
Master ROM-1: VHI27801RAP1A Master ROM-2: VHI27801RAQ1A

Before working on the installation, turn off the power switch on the UP-600/700 and unplug the AC code from the AC outlet.

 Insert a screwdriver into the slit on the right side of the lower cabinet to remove the option RAM case.



- IPL switch (SW301) on the IPL ROM PWB: Set the IPL switch (SW301) to ON position.
- 3. Install to the IC sockets on the IPL ROM PWB.



- 4. Turn on the power switch of the UP-600/700.
- The following display is shown and the IPL procedure is started. When the procedure is completed, the message of "Completed" is shown.

IPL from PROM

Version check...

Erase ...

IPL write start

26 27 28 29 2A 2B
2C 2D 2E 2F 30 31
32 33 34 35 36 37
38 39 3A 3B 3C 3D
3E 3F
Verify ...
Completed.

IPL write completed

- 6. Turn off the power switch of UP-600/700.
- 7. Remove to the IC sockets on the IPL ROM PWB.
- 8. IPL switch (SW301) on the IPL ROM PWB: Set the IPL switch (SW301) to OFF position.
- 9. Perform the master reset.



2. UP-600/700 Utility tools

1) OUTLINE

This Specification document describes the explanation about "POSUTILITYTOOL.EXE and "02FD.EXE".

"POSUTILITYTOOL.EXE" and "02FD.EXE" works on Windows 95/98 of PC and they have the following

Functions by connecting UP-600/700 with RS232.

POSUTILITYTOOL.EXE : IPL of UP-600/700 Program Object

02FD.EXE

: All RAM Data Upload/Download

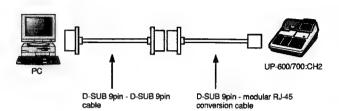
(PC software tool instead of the cur-

rent ER-02FD.)

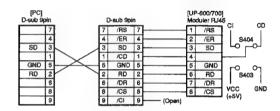
2) ENVIRONMENT

PC and UP-600/700 are connected by RS232.

Connect the CH2 port of the UP-600/700 to the RS-232 interface of the PC.



RS232 Cable Connecting:



3) PROCEDURE

3) -1. POS UTILITY TOOL

No	Procedure on P.C. side	No	Procedure on UP-600/700 side	
1	Install "POSUTILITYTOOL.EXE" on the P.C.			
		2	Turn OFF the power.	
		3	Select "IPL Mode". Set "IPL Switch" (SW302) of UP-600/700 to "ON".	
		4	Turn ON the power.	
		5	Starting of "IPL Mode". UP-600/700 shows "IPL from Serial I/O"	
6	Connect P.C. and UP-600/700 (CH2) via RS232. (Fig 1)			



No	Procedure on P.C. side	No	Procedure on UP-600/700 side
7	Execute "POSUTILITUTOOL.EXE" on P.C. *Don't execute the other Software at the same time. Send Files Lies COM Post COM		
8	Select the ROM object Files by "Add Files" button. Send Files List RAPTA.rom RAO1A.rom Clear List COM Post COM Post COM Post Com		
9	Push "SEND" button. Program data is sent to UP-600/700 automatically. Now Sending File: RAH1A.rom Address 21 4800	9	Program data is received from P.C. automatically. UP-600/700 shows IPL from IR Connected IRDA 115200 21 22 23 24 25 28 27 28
10	When sending is completed, the initial Window is shown after "Complete" window.	10	UP-600/700 shows "Completed." IPL from Serial 1/0 Connected IRDA 115200 21 22 23 DA 25 26 27 RH 29 2A 2B 2C 2D 2E 2F Completed. IPL from Serial 1/0 Connected IRDA 115200 30 31 32 33 34 35 36 37 38 39 3A 3B 3C 3D 3E 3F Completed.
		11	Turn OFF the power.
_		12	Select "Normal Mode". Set "IPL switch" to "OFF". (Ref. Hardware manual)
		13	Execute "Service Reset" on UP-600/700.



3) -2. 02FD

/ - <u>-</u> -	02FD		
No	Procedure on P.C. side	No	Procedure on UP-600/700 side
1	Install "02FD.EXE" on the P.C. ALL RAM Data UpLoad : Go to "2"		
	ALL RAM Data DownLoad : Go to "9"		
2	ALL RAM Data UpLoad Connect P.C. and UP-600/700 (CH2) via RS232. (Fig 1)	2	Enter the SRV mode. Select " 2 SETTING ". Select " 14 BACKUP SEND"
		3	UP-600/700 shows
		"	OF OUNT OF SHOWS
			BACKUP SEND
			SEND DATA ALL RAM
			SPEED PROGRAMMED SPEED
4	Execute "02FD.EXE" on P.C.		
	*Don't execute the other Software at the same time.		
	02FD Version 2.10 Exchange Tool of RAM Data PC -> POS Setting POS -> PO Exit		
5	Set the Communication method by "Setting" Button.		
	Push "OK" Button.		
6	Push "Receive Start" Button.		
7	And Select the Receiving File. Communication starts.	7	Push TL key. UP-600/700 shows
	Receive data: 6748 bytes		SENDING 00000
8	UpLoad is completed. The initial Window is shown. Push "Exit" Button.	8	UpLoad is completed. The SETTING menu is shown.
9	ALL RAM Data UpLoad Connect P.C. and UP-600/700 (CH2) via RS232. (Fig 1)	9	Enter the SRV mode. Select " 2 SETTING". Select " 15 BACKUP RECEIVE"
		10	UP-600/700 shows
			BACKUP RECEIVE
			SPEED PROGRAMMED SPEED
		1	Push TL key.



No	Procedure on P.C. side	No	Procedure on UP-600/700 side
11	Execute "02FD.EXE" on P.C. *Don't execute the other Software at the same time. 02FD Version 2.10 Exchange Tool of RAM Data PC +> POS Setting POS -> PC Exit		
12	Set the Communication method by "Setting" Button. Communication Settings Baud Rate. C 2480 C 4800 C 9600 C 19200 C 38400 C 57600 C 115200 Protecol C ASK C FDA C SIO(Manual) C SIO(Auto) Qont Port C Camil Com2 Concel		
13	Push "Transmit Start" Button. And Select the Sending File.		
14	Communication starts. D2FD TRANSMIT Transmit data : 12204 bytes CANCEL	14	UP-600/700 shows RECEIVING 00000
15	DownLoad is completed. The initial Window is shown. Push "Exit" Button.	15	DownLoad is completed. The SETTING menu is shown.
		16	Execute " Service Reset " on UP-600/700

3. NOTE FOR HANDLING OF LCD

- The LCD elements are made of glass. BE careful not to give them strong mechanical shock, or they may be broken. Use extreme care not to break them.
- If the LCD element is broken and the liquid is leaked, do not lick it.
 If the liquid is attached to your skin or cloth, immediately clean with soap.
- Use the unit under the rated conditions to prevent against damage.
- Be careful not to drop water or other liquid on the display surface.
- The reflection plate and the polarizing plate are easily scratched.
 BE careful not to touch them with a hard thing such as glass, tweezers. Never hit, push, or rub the surface with hard things.
- When installing the unit, be careful not to apply stress to the LCD module. If an excessive stress is applied, abnormal display or uneven color may result.



CHAPTER 4. SRV. RESET AND MASTER RESET

The SRV key is used for operating in the SRV mode.

1. SRV. reset (Program Loop Reset)

Used to return the machine back to its operational state after a lock-up has occurred.

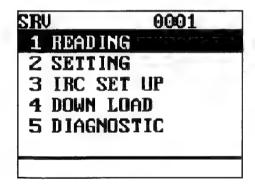
Procedure

- Method 1
 - 1) Turn off the AC switch.
 - 2) Set the mode switch to (SRV') position.
 - 3) Turn on the AC switch.
 - 4) Turn to (SRV) position from (SRV') position.
- Method 2
 - 1) Set the mode switch to PGM2 position.
 - 2) Turn off the AC switch.
 - While holding down JOURNAL FEED key and RECEIPT FEED key, turn on the AC switch.

Note: When disassembling and reassembling always power up using method 1 only. Method 2 will not reset the CKDC9.

Note: SRV programming job#926-B must be set to "4" to allow PGM program loop reset.

PRG. RESET***



2. Master reset (All memory clear)

There are two possible methods to perform a master reset.

MRS-1

Used to clear all memory contents and return machine back to its initial settings.

Return keyboard back to default. for default key-board layout.

Procedure

- 1) Turn off the AC switch.
- 2) Set the MODE switch to the (SRV') position.
- 3) Turn on the AC switch.
- 4) While holding down JOURNAL FEED key, turn to (SRV) position from (SRV') position.
- MRS-2

Used to clear all memory and keyboard contents.

This reset returns all programming back to defaults. The keyboard

must be entered by hand.

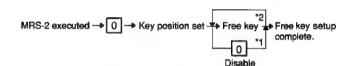
This reset is used if an application needs different keyboard layout other than that supplied by a normal MRS-1.

Procedure

- 1) Turn off the AC switch.
- 2) Set the MODE switch to the (SRV') position.
- 3) Turn on the AC switch.
- While holding down JOURNAL FEED key and RECEIPT FEED key, turn to (SRV) position from (SRV') position.
- 5) Key position assignment:
- * After the execution of MRS-2, only the RECEIPT FEED and JOURNAL FEED keys can remain effective on key assignment.

 Any key can be assigned on any key position on the main keyboard.

[key setup procedure]



MASTER PRESET***

NOTES:

- *1: When the 0 key is pressed, the key of the key number on display is disabled.
- *2: Push the key on the position to be assigned. With this, the key of the key number on display is assigned to that key position.
- *3: When relocating the keyboard, the PGM 1/2 mode use standard key layout.

Key No.	Key name	Key No.	Key name	Key No.	Key name
001	"0" key	011	"00" key	021	"CANCEL" key
002	"1" key	012	"000" key	022	"ENTER" key
003	"2" key	013	Decimal point "." key	023	"TL" key
004	"3" key	014	"CL" key		
005	"4" key	015	"(X)" key		
006	"5" key	016	"ST" key		
007	"6" key	017	UP " T " key		
008	"7" key	018	DOWN "↓" key		
009	"8" key	019	LEFT " ← " key		
010	"9" key	020	RIGHT " → " key		

SRV	0001
1 READ	ING MATERIAL AND
2 SETT	ING
3 IRC S	SET UP
4 DOWN	LOAD
5 DIAGN	OSTIC



CHAPTER 5. DIAGNOSTICS SPECIFICATIONS

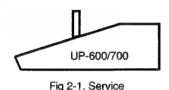
1. GENERAL DESCRIPTION

This Diag Program consists of a number of Diag. programs for the UP-600/700, which facilitate the PWB check, process check and the operation check of the system during servicing.

The Service Diag. programs are all contained in the standard ROM.

2. SYSTEM COMPOSITION

UP-25X main only



3. DIAG.

Starting the Diag. Program

The Diag. Program is written on the external ROM, which is executed by the CPU (H8/510) and it runs on the following conditions:

- The logic power supply is normal. (+5V, VCKDC, POFF, +24V)
- ② Both the I/O pins of the CPU and the CPU internal logic are normal, and the CKDC9 and MPCA9, system bus, and standard ROM/RAM are normal.

When starting the SET for the first time, MASTER RESET the system. If you want to add any OPTION UNIT when the SET is operating normally, perform PROGRAM RESET.

3-1. Executing Diag Program

To start the Diag. Program, enter the SRV mode. Select the option item DIAGNOSTICS from the MENU using the cursor keys and press the ENTER key.

The DIAG. MAIN MENU appears on screen as given below. The cursor shown in reverse video can be moved using the up/down arrow keys. Move the cursor to the menu item you want and press ENTER to execute the corresponding Diag. program. When each Diag. program is completed, the screen returns to the DIAG. MAIN MENU. Pres the CANCEL key to exit the Diag. Program and the screen returns to the MENU screen in the SRV mode.

UP-600/700 DIAG V1.0A
PRODUCT&TEST
RAM&ROM&SSP
CLOCK&KEY&SWITCH

SERIAL I/O

DISPLAY&PRINTER
MCR&EFT&DRAWER

TCP/IP

The cursor moves along through the menu items by entering numbers with the numeric keypad. This allows you to reduce the number of key operations. (Example: By entering the number 7, the cursor moves to the menu item TCP/IP.) This method also applies to other

SUB MENUs.

The menu item "EFT Diagnostics" are available only for the European market. For North America,

the this menu item (&EFT) is omitted and everything the following it moves up to compensate.

3-2. RAM & ROM & SSP Diagnosites

This program tests the standard RAM, expanded RAM, standard and service ROMs, and SSp circuit. RAM&ROM&SSP is selected on the MAIN MENU, the following submenu screen appears. The cursor shown in reverse video can be moved using the up/down arrow keys. Move the cursor to the menu item you want and press the ENTER to execute the corresponding program. Press the CANCEL key to return the screen to this submenu.

RAM&ROM&SSP DIAG

Standard RAM Check

UP-S04MB Check

UP-S02MB Check

Standard ROM Check Service ROM Check

SSP Check

1) Standard RAM check

1 Checking

The program performs the following checks on the standard 512KB of RAM. Data in memory remains unchanged before and after the checks.

The following operations are performed for the memory addresses to be checked (780000H - 7FFFFFH).

PASS1: Save data in memory

PASS2: Write data "0000H"

PASS3: Read and compare data "0000H" and write data "5555H".

PASS4: Read and compare data "5555H" and write data "AAAAH"

PASS5: Read and compare data "AAAAH"

PASS6: Return data into memory

If any comparison is not normal during the check sequence from PASS 1 through 6, the error message appears.

If any error is not found up to the final address, the sequence ends normally.

Then, another round of address checks is carried out using the above check sequence

If an error occurs, the error message appears and the check stops. The read/write of the address where the error occurs is repeated.

Check point address = 780000H, 780001H

780002H, 780004H

780008H, 780010H

780020H, 780040H

780080H, 780100H

780200H, 780400H

780800H, 781000H

782000H, 784000H 788000H, 790000H

7A0000H, 7C0000H



② Display

The capacity checked is displayed in units of 64KB.

Standard RAM Check
512KB:PASS!!(or ERROR!!)
Error:XXXXXXH
Write:XXXXH
Read:XXXXH

The error address and bit are displayed only when an error occurs (They are not displayed if there is no error.)

3 How to exit the program

You can exit the program by pressing the CANCEL key after the result of checking is displayed.

2) UP-S02MB Check

Checking

The program checks for the presence of the UP-S02MB in the following procedure.

Data in memory remains unchanged before and after checking.

- i. Write 55AAH in 9FFFFEH.
- ii. Read 9FFFFEH and compare the data with 55AAH.If both data are correct and BFFFFEH is the same as 55AAH, perform the following tests. If not correct, the message "0KB: ERROR!!" appears and checking ends.

The following checks are performed on the UP-S02MB.

The following operations are performed for the address space to be checked (800000H - 9FFFFFH).

PASS1: Save data in memory.

PASS2: Write data "0000H".

PASS3: Read and compare data "0000H" and write data "5555H".

PASS4: Read and compare data "5555H" and write data "AAAAH".

PASS5: Read and compare data "AAAAH".

PASS6: Return data into memory.

If any comparison is not normal during the check sequence from PASS 1 through 6, the error message appears.

If any error is not found up to the final address, the sequence ends normally.

Then, another round of address checks is carried out using the above check sequence.

If an error occurs, the error message appears and the check stops. The read/write of the address where the error occurs is repeated.

Check point address = 800000H, 800001H

800002H, 800004H

800008H, 800010H

800020H. 800040H

800080H, 800100H

800200H, 800400H

800800H, 801000H

802000H, 804000H

808000H, 810000H

820000H, 840000H

880000H, 900000H

② Display

The capacity checked is displayed in units of 64KB.

UP-S02MB Check
2048KB:PASS!!(or ERROR!!)
Error:XXXXXXH
Write:XXXXH
Read:XXXXH

The error address and bit are displayed only when an error occurs (They are not displayed if there is no error.)

3 How to exit the program

You can exit the program by pressing the CANCEL key after the result of checking is displayed..

3) UP-S04MB Check

Checking

The program checks for the presence of the UP-S04MB in the following procedure. Data in memory remains unchanged before and after checking.

- i. After writing 55AAH in BFFFFEH, write AA55H in 9FFFFEH.
- ii. Read BFFFFEH and compare the data with 55AAH. Data in BFFFEH is correct, the following checks are performed. Data read is AA55H, the message "UP-S02MB!!" appears and the check ends. If the data read is not either 55AAH or AA55H, the message "0KB:ERRORI!" appears and the check ends.

The following checks are performed on the UP-S04MB.

The following operations are performed for the address space to be checked (800000H - BFFFFFH).

PASS1: Save data in memory.

PASS2: Write data "0000H".

PASS3: Read and compare data "0000H" and write data "5555H".

PASS4: Read and compare data "5555H" and write data "AAAAH".

PASS5: Read and compare data "AAAAH".

PASS6: Return data into memory.

If any comparison is not normal during the check sequence from PASS 1 through 6, the error message appears.

If any error is not found up to the final address, the sequence ends normally.

Then, another round of address checks is carried out in the above check sequence.

If an error occurs, the error message appears and the check stops. The read/write of the address where the error occurs is repeated.

Check point address = 800000H, 800001H

800002H, 800004H

800008H, 800010H

800020H, 800040H

800080H, 800100H

800200H, 800400H

800800H, 801000H

802000H, 804000H

808000H, 810000H

820000H, 840000H

880000H, 900000H

A00000H



② Display

The capacity checked is displayed in units of 64KB.

UP-S04MB Check
4096KB:PASS!!(or ERROR!!)
Error:XXXXXXH
Write:XXXXH
Read:XXXXH

The error address and bit are displayed only when an error occurs (They are not displayed if there is no error.)

3 How to exit the program

You can exit the program by pressing the CANCEL key after the result of checking is displayed.

4) Standard ROM Check

① Checking

The standard ROM area (200000H - 3FFFFFH) is added in units of bytes. The lowest 2 digits of the result is 20H, it is regarded as normal.

In addition, the ROM version and model name code stored in the addresses 31FFE0H - 31FFFFH where the ROM version and checksum correction data are stored are displayed. Data (ASCII) is stored in the following formats:

31FFE0H~31FFEFH: Model name CODE (Example: "UP-600",

to be displayed until DATA becomes 00H.)

31FFF0H~31FFF9H: 27801R****(****=PROGRAM VERSION)

31FFFAH~31FFFBH: BLOCK NO.("20"~"3F")

31FFFCH: TERMINATOR ("=")

31FFFDH~31FFFEH: BLOCK VERSION (Example: "00")

31FFFFH: CHECK SUM correction DATA

FLASH ROM used as the standard ROM has 64K-byte-unit rewrite BLOCKs. To perform VERSION management in the BLOCK unit, these BLOCKs have the same 16 byte organization as those after the previous 31FFF0H and arranged every 64KBYTE. At this time, the checksum for each BLOCK is corrected to be 01H so that the entire 2MBYTE become a total of 20H.

Regarding the display of the PROGRAM VERSION, the FLASH write MASTER EPROM has 2-chip 8 Mbits to allow manage in units of chip. The PROGRAM VERSION stored in blocks at 21H and 31H are displayed.

0 PAGE (BLOCK) where IPL is stored displays the PROGRAM VERSION of IPL to make it possible to manage individual programs.

② Display

The capacity checked is displayed in units of 64KB.

Service ROM Check
PASS!!(or ERROR!!)
APL: 27801R****
27801R****
IPL:**

③ JOURNAL print

- 3 How to exit the program
- You can exit the program by pressing the CANCEL key after the result of checking is displayed.

5) SERVICE ROM Check

1) Checking

The SERVICE ROM area composed of two EPROMs (D00000H - EFFFFFH) is added in units of bytes for each chip. If the lowest 2 digits are 10H, it is regarded as normal.

In addition, the ROM version and model name code stored in the addresses D1FFE0H - D1FFFFH where the ROM version and checksum correction data are stored are displayed. Data (ASCII) is stored in the following formats:

D1FFE0H~D1FFEFH: Model name CODE(Example: "UP-600",

to be displayed until data is 00H.)

D1FFF0H~D1FFF9H: 27801R****(****=PROGRAM VERSION)

D1FFFAH~D1FFFBH: BLOCK NO.("20"~"2F")

D1FFFCH: TERMINATOR("=")

D1FFFDH~D1FFFEH: BLOCK VERSION(Example:"00")

D1FFFFH: CHECK SUM correction DATA

This SERVICE ROM is used to write data into FLASH ROM if any error occurs during rewriting FLASH ROM and it is not possible to resume the operation. Its configuration is the same as the standard ROM

0 PAGE (BLOCK) where IPL is stored displays the PROGRAM VERSION of IPL to make it possible to manage individual programs.

② Display

The capacity checked is displayed in units of 64KB.

Service ROM Check
ROM1:PASS!!(or ERROR!!)
ROM2:PASS!!(or ERROR!!)
APL: 27801R****
27801R****
IPL:**

③ JOURNAL print

4 How to exit the program

You can exit the program by pressing the CANCEL key after the result of checking is displayed.



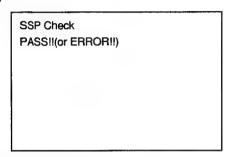
6) SSP Check

① Checking

When started, this check program automatically sets the test SSP, performs SSP check and displays the check result.

The SSP check sets check data in the empty space in the SSP entry register. After checking is completed, only the check data is erased. Any setting remains intact before and after this check program is executed.

② Display



3 How to exit the program

You can exit the program by pressing the CANCEL key after the result of checking is displayed.

3-3. Timer & Keyboard & Clerk Switch Diagnostics

This program checks the operation of the CKDC's clock crystal, keyboard and tests the clerk switch and mode switch.

You can return to the Diag menu screen by pressing the CANCEL key.

Timer&Key&Clerk DIAG
YY/MM/DD&HH:MM:SS
KEY CODE=***
CLERK CODE=***
MODE SWITCH=* (0~7,E:Intermediate position,
F:Multiple ERROR)

1) Timer Check

① Checking

Check the operation of the CKDC9's clock crystal.

The area showing "YY/MM/DD & MM:HH" is continuously displayed. Check whether the display blinks in black and white every 0.5 seconds and the time shown is updated.

2) Keyboard Check

① Checking

The program check the input through the keyboard of the UP-600/700.

A 3-digit position code corresponding to a key pressed appears on screen, along with a catch sound.

3) Clerk SW Check

① Checking

The code of the key inserted into the clerk key switch appears in a decimal number.

4) Mode Switch Check

① Checking

The mode switch position code is displayed in a hexadecimal number.

SRV:0, PGM2:1, PGM1:2, OFF:E, OP X/Z:3, REG:4, MGR:5, X1/Z1:6, X2/Z2:7

Intermediate code:E, Multiple error F

3-4. RS232 I/F Diagnostics

The program tests the RS232 interface for the main PWB and the optional board ER-A5RS. Attach a 9-pin D-sub loop back connector (UKOG-6717RCZZ) wired as shown in Fig. 3-11, to the port you are going to test.

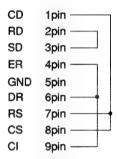
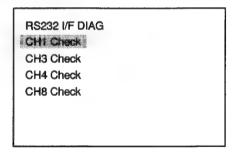


Fig. 3-11. Wiring diagram of loop back connector (UKOG-6717RCZZ)

The following menu appears on screen. The cursor shown in reverse video can be moved using the up/down arrow keys. Move the cursor to the menu item you want to execute and select by pressing the Enter key to the corresponding Diag. Program. Press the CANCEL key to return the screen to this submenu.

When setting the channel for the RS232 interface, do not set more than two ports to the same channel. The UP-600/700 accommodates up to one ER-A5RS board, but use caution not to allow each port to have the same channel; otherwise hardware might be destroyed.



When Diag. Is started, channel check is performed and only the channels already set appear on screen.

1) CHANNEL Check

① Checking

The screen shows only the channels for which the channels of the RS232 connect to the ECR. Compare the channels shown on screen and the settings of channel setting DIPSW on the RS232 interface board.

The RS232 on the main PWB of the UP-600/700 is fixed to CH1 and CH8. It is therefore necessary for the ER-A5RS to set the channel to any of CH2 - CH7.

(Ref) ER-A5RS channel settings ("1" = SW OFF, "0" = SW ON)



ER-A5RS CON3

S1-1	S1-2	S1-3	CHANNEL
0	0	0	Disabled
0	0	1	No setting allowed (Standard RS)
0	1	0	CHANNEL 2
0	1	1	CHANNEL 3
1	0	0	CHANNEL 4
1	0	1	CHANNEL 5
1	1	0	CHANNEL 6
1	1	1	CHANNEL 7

ER-A5RS CON4

S1-4	S1-5	S1-6	CHANNEL
0	0	0	Disabled
0	0	1	No setting is allowed (Standard RS)
0	1	0	CHANNEL 2
0	1	1	CHANNEL 3
1	0	0	CHANNEL 4
1	0	1	CHANNEL 5
1	1	0	CHANNEL 6
1	1	1	CHANNEL 7

2 How to exit the program

Press the CANCEL key to exit the program.

2) CH1 Check

① Checking

If any channel is not set, the error message (ERROR: CH1) appears. When any channel is set, the following checks are performed.

i. Control signal check

ERn	RSn	DRn	Cin	CDn	CSn
OFF	OFF	OFF	OFF	OFF	OFF
OFF	ON	OFF	OFF	ON	ON
ON	OFF	ON	ON	OFF	OFF
ON	ON	ON	ON	ON	ON

The program performs the read checks of the above inputs and interrupt checks of CS, CI, and CD.

During the read check, ER and RS are changed over in the above order, checking the logic of DR, CI, CD and CS.

If the check result does not agree with the logic in the table, the error message appears. The ON in the table means active low and the OFF means active high.

In the interrupt check, the CS, CI and CD interrupts are permitted one by one (The mask is canceled.).

The error message appears if an interrupt does not occur when each signal is active or if an interrupt occurs when each signal is not active.

Four cycles of the above check is performed.

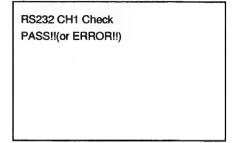
ii. Data transfer check

As check data, loop back data transfer of 256 bytes of 00H - 0FFH is performed. The baud rate is 38400 bp.

iii. TIMER CHECK (RS232 ON BOARD TIMER)

Before starting the check ii, perform the RCVDT start of the timer you want to check and set to 5 ms. Make sure::

- No TRQ- is generated during the implementation of check ii.
- TRQ- is generated at 5 ms after check ii is completed.
- ② Display



All the details of errors are printed on the journal.

ERROR No.	ERROR print	Details of ERROR
1	ER-DR : ERROR	ER-DR LOOP ERROR
2	ER-CI : ERROR	ER-CI LOOP ERROR
3	RS-CD : ERROR	RS-CD LOOP ERROR
4	RS-CS : ERROR	RS-CS LOOP ERROR
5	CI INT : ERROR	No CI interrupt occurs.
6	CD INT : ERROR	No CD interrupt occurs.
7	CS INT : ERROR	No CD interrupt occurs.
8	TXEMP : ERROR	TXEMP is not set.
9	TXEMP INT : ERROR	TXEMP interrupt does not occur.
10	TXRDY: ERROR	TXRDY is not set.
11	TXRDY INT : ERROR	TXRDY interrupt does not occur.
12	RCVRDY : ERROR	RCVRDY is not set. (Not possible to receive. TRQ- occurs during the implementation of check ii.)
13	RCVRDY INT : ERROR	RCVRDY interrupt does not occur.
14	SD-RD : ERROR	SD-RD LOOP ERROR (DATA ERROR)
15	SD-RD : ERROR	SD-RD LOOP ERROR (DATA ERROR)
16	TIMER : ERROR	TIMER ERROR (After check ii is completed)
17	TIMER INT : ERROR	TRQ1- interrupt does not occur.

3 How to exit the program

Press the CANCEL key to exit the program.



3) CH2 Check

① Checking

The procedure for checking, display and the method of exiting the programs are the same as for CH1 check.

4) CH3 Check

① Checking

The procedure for checking, display and the method of exiting the program are the same as for CH1 check.

5) CH4 Check

① Checking

The procedure for checking, display and the method of exiting the program are the same as for CH1 check.

6) CH5 Check

① Checking

The procedure for checking, display and the mothod of exiting the programs are the same as for CH1 check.

7) CH6 Check

① Checking

The procedure for checking, display and the method of exiting the programs are the same as for CH1 check.

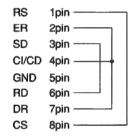
8) CH7 Check

① Checking

The procedure for checking, display and the method of exiting the programs are the same as for CH1 check.

9) CH8 Check

For checking CH8, the following loop-back connectors are used.



1) Checking

When channels are set, the following checks are performed.

i. Control signal check

ER8	RS8	DR8	Ci8	CD8	CS8
OFF	OFF	OFF	OFF	OFF	OFF
OFF	ON	OFF	**	**	ON
ON	OFF	ON	**	**	OFF
ON	ON	ON	**	**	ON

The program performs the read checks of the above inputs.

During the read check, ER and RS are changed over in the above order, checking the logic of DR, CI, CD and CS.

If the logic is different from those listed in the table, the error message appears. For logics marked with "**" the display appears like the tables given below.

PETTERN 1

ER8	RS8	CI8	CD8
OFF	ON	OFF	OFF
ON	OFF	OFF	OFF
ON	ON	OFF	OFF

"No Connect" is displayed on the next line of PASS!!.

PETTERN 2

ER8	RS8	CI8	CD8
OFF	ON	OFF	OFF
ON	OFF	ON	OFF
ON	ON	ON	OFF

"CI Connect is displayed on the next line of PASS!!

PETTERN 3

ER8	RS8	CI8	CD8
OFF	ON	OFF	OFF
ON	OFF	OFF	ON
ON	ON	OFF	ON

"CD Connect! is displayed on the next line of PASS!!

If the logic is different from those in PATTERN 1 - 3, the error message appears.

ON means active low and OFF active high.

The above checks are repeated four cycles.

ii. Data transfer check

As check data, loop back data transfer of 256 bytes of 00H - 0FFH is performed. The baud rate is set for115200 bp..

② Display

RS232 CH8 Check
PASS!!(or ERROR!!)
CD Connect(or Cl Connect, No Connect)

All the details of errors are printed on the journal.

ERROR No.	ERROR print	Details of ERROR
1	ER-DR : ERROR	ER-DR LOOP ERROR
2	ER-CI : ERROR	ER-CI LOOP ERROR
3	RS-CD : ERROR	RS-CD LOOP ERROR
4	RS-CS : ERROR	RS-CS LOOP ERROR
5		
6		
7		
8	TXEMP : ERROR	TXEMP is not set.
9	TXEMP INT : ERROR	TXEMP interrupt does not occur.
10	TXRDY : ERROR	TXRDY is not set.
11	TXRDY INT : ERROR	TXRDY interrupt does not occur.



ERROR No.	ERROR print	Details of ERROR
12	RCVRDY : ERROR	RCVRDY is not set. (Not possible to receive. TRQ- occurs during the implementation of check ii.)
13	RCVRDY INT : ERROR	RCVRDY interrupt does not occur.
14	SD-RD : ERROR	SD-RD LOOP ERROR (DATA ERROR)
15	SD-RD : ERROR	SD-RD LOOP ERROR (DATA ERROR, FRAMING ERROR, and others)
16		
17		
18	CI : ERROR	The logic of C1 is ON, but different from those in 1~3.
19	CD : ERROR	The logic of CD is ON, but different from those in 1~3.

3 How to exit the program.

Press the CANCEL key to exit the program.

3-5. LCD/Popup/Pole Display & PRINTER Diagnostics

The program tests the LCD and popup and pole displays of the UP-600/700.

The following menu appears on screen. The cursor shown in reverse video can be moved using the up/down arrow keys. Move the cursor to the menu item you want to execute and select by pressing the Enter key to execute the corresponding Diag. program. You can return the screen to this submenu by pressing the CANCEL key.

DISPLAY&PRINTER DIAG

LCD Check

POPUP Check

POLE Check

PRINTER Check

PRINTER CG Check

PES&NES SENSOR Check

A/D CONVERTER Check

The test program displays the following test patterns in the order shown below. You can move to the next pattern by pressing the ENTER key.

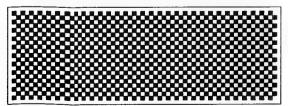
You can return the screen to this submenu by pressing the ENTER key when the final test pattern is shown on screen or by pressing the CANCEL key during the implementation of the check.

1) Liquid Crystal Display Check

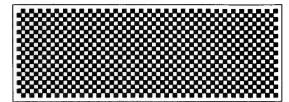
① Checking

The screen shows the following test patterns. Press the ENTER key to move to the next test pattern.

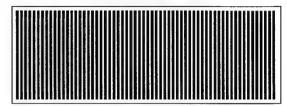
i. Black and white checkered pattern with 1-dot spacing.



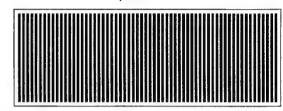
ii. Reverse-videoed test pattern of i



iii. Vertical stripe pattern with 1-dot spacing



iv. Reverse-videoed test pattern of ii



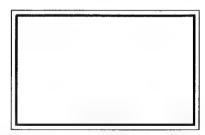
v. Horizontal stripe pattern with 1-dot spacing



vi. Reserve-videoed test pattern of v



vii. The outermost periphery of LCD's active area is displayed in 1-dot line.



viii. "H" pattern. "H" is displayed in 20 digits and 8 lines.
"H" is displayed in 19 digits only in the 8th line.

НИННИНИНИНИНИНИНИНИНИНИНИНИНИНИНИ
НННННННННННННННННННННН
НИННИНИННИННИННИННИННИННИН
ННИННИННИННИННИННИННИННИННИН
НИННИНИННИННИННИННИННИННИНН
НИННИНИННИННИННИННИННИННИННИННИННИННИНН
НИННИННИННИННИННИННИННИННИННИН
ННИННИННИННИННИННИННИННИННИН



3 How to exit the program.

You can exit the program by pressing the ENTER key when the final test pattern is shown on screen or by pressing the CANCEL key during checking.

2) Pole Display Check

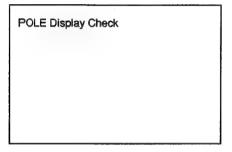
1 Checking

The screen shows the following test patterns in the order given below. Press ENTER to move to the next pattern.

i. The following test patterns are displayed.

DOT DISPLAY : 0 1 2 3 4 5 6 7 8 9 ; A a B b C
7SEG DISPLAY : 0.1.2.3.4.5.6.7.8.9.-.

- ii. The test pattern where all digits are turned ON is displayed.
- ② Display



3 How to exit the program.

You can return to the Diag, submenu by pressing the ENTER key after the 2nd test pattern where all digits are turned ON has been displayed. Or press the CANCEL key to erase the screen to exit the program.

3) Popup Display Check

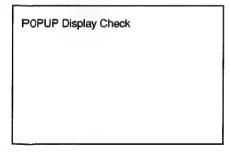
Checking

The screen shows the following test patterns in the order given below. Press ENTER to move to the next pattern.

i. The following test patterns are displayed.

7SEG DISPLAY : 0.1.2.3.4.5.6.

- ii. The test pattern where all digits are turned ON is displayed.
- ② Display



3 How to exit the program

You can return to the Diag. submenu by pressing the ENTER key after the 2nd test pattern where all digits are turned ON has been displayed. Or press the CANCEL key to erase the screen to exit the program.

4) PRINTER Check

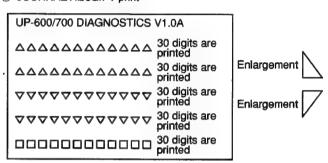
① Checking

The printer prints on the RECEIPT/JOURNAL PRINTER.

② Display

PRINTER Check	

③ JOURNAL/RECEIPT print



4 How to exit the program

One second after printing is completed, the screen returns to the PRINTER Check of the DISPLAY & PRINTER MENU.

5) PRINTER CG Check

① Checking

The printer prints the built-in CG onto the RECEIPT/JOURNAL PRINTER.

For standard characters are printed in 16 characters/line and extended ASCII characters (enlarged characters) are printed in 8 characters/line.

The standard characters are printed first, followed by the extended ASCII characters.

Check the outputted print to see if CG is correctly printed.

② Display

PRINTER CG Check	
	j

3 How to exit the program.

Press the CANCEL key to exit the program after 1 cycle of printing is performed.



6) PES & NES SENSOR Check

1) Checking

The screen displays the operating status of the paper end sensor and paper near end sensor of the receipt/journal printer.

② Display

PES&NES SENSOR Check

NES:0 (or 1) RPES:0 (or 1) JPES:0 (or 1) OPBS:0 (or 1)

Display	Status	Description
NES	0	Senses the near end of the journal paper roll.
	1	Does not sense the near end of the journal paper roll.
RPES	0	Senses the end of the receipt paper roll.
	1	Does not sense the end of the receipt paper roll.
JPES	0	Senses the end of the journal paper roll.
	1	Does not sense the end of the journal paper roll.
OPBS	0	IPL ROM PWB connected
	1	IPL ROM PWB not connected

3 How to exit the program

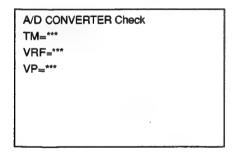
Press the CANCEL key to exit the program.

7) A/D CONVERTOR Check

① Checking

The screen displays the digitally converted values of the signals in turns that have been inputted into the CPU's A/D converter. The values are updated at an interval of about 1 second by the timer.

- 2 Display



(Note 1): The VRF means an estimated VRF voltage on the assumption that VCC is +5 V.

(Note 2): *** means 10-bit data of the A/D converter expressed in hexadecimal numbers.

Therefore, the values range from "000" to "3FF".

3 How to exit the program.

Press the CANCEL key to exit the program.

3-6. TCP/IP STACK Network Diagnostics

The program performs the TCP/IP stack test. The test requirements are as follows:

- UP-600/700
- 10BASE-T cable (for data transfer testing)
- HUB (for loop back test and data transfer test where more than 2 units of satellites are used.)

The following menu appears. The cursor shown in reverse video can be moved using the up/down arrow keys. Move the cursor to the menu item you want to execute and press the ENTER key to execute the corresponding check program. After the said Diag. program is completed, the screen returns to this menu.

Press the CANCEL key to return the screen to the Diag. submenu.

TCP/IP&PRINTER DIAG
SELF Check
LOOPBACK Check
MAC ADDR&FIRM Ver. Read
MAC ADDR&FIRM WRITE
DATA Trans.(MA)
DATA Trans.(SA)

1) SELF Check

① Checking

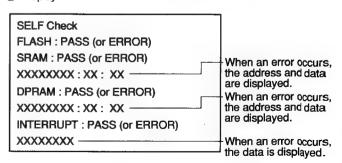
The program executes Diag's built in the TCP/IP stack board and displays the results.

- Execute the flash memory test command and display the result
- ii. Execute the SRAM test command and displays the result.
- iii. Execute the dual-port RAM test and displays the result.
- iv. Execute the interrupt test command and displays the result.

The information inside the error status is as follows:

b7	Reserved ("0" is always displayed)
b6	Reserved ("0" is always displayed)
b5	Reserved ("0" is always displayed)
b4	Reserved ("0" is always displayed)
b3	HR_RST : If /INTHR cannot be canceled
b2	HR_ACK:If /INTHR does not enter after waiting for 10 ms
b1	HW_RST : If /INTHW cannot be canceled
b0	Reserved ("0" is always displayed)

② Display



3 How to exit the program.

Press the CANCEL key to exit the program.

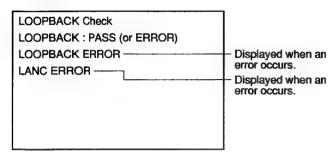


2) LOOPBACK Check

① Checking

Install a straight cable between the RJ45 connector and the HUB and execute the loop back test command to send and receive 1 packet of data.

② Display



3 How to exit the program

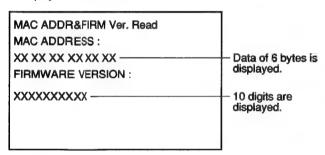
Press the CANCEL key to exit the program.

3) MAC ADDRESS&FIRM Ver. read Check

① Checking

The program reads the version of the MAC address and firmware and displays the result.

② Display



3 How to exit the program

Press the CANCEL key to exit the program.

4) MAC ADDRESS&FIRM write UTILITY

① Operation

This utility writes MAC address and firmware. (Procedure)

Install EPROM on the TCP/IP board and turn the IPL switch on the board to the "program write mode."

Connect the board to the ECR and turn on the ECR.

The IPL program on the TCP/IP board starts.

Input 3 sets of 3-digit decimal numbers through the keyboard of the ECR and press the ENTER key.

Following the SHARP maker code (08, 00, 1F), the 3 sets of numbers input through the keyboard are converted into hexadecimal numbers. The program then writes a total of 6 bytes MAC address into dual port RAM (800000H -).

Turn off the power supply and remove the TCP/IP board from the ECR.

Remove EPROM from the TCP/IP board and turn the IPL switch to the "normal mode."

Connect the board to the ECR and turn on the ECR.

Input: DUAL PORT RAM (800000H')

	-	,	_		 			
and and a phothodi	!				!	!	!	!
[08]00[1F]XX[YY]	ZZį				į		į	į
		'	 		 		<u> </u>	

MAC ADDRESS (XX, YY, ZZ are converted to 16 hexadecimal numbers.)

Output: DUAL PORT RAM(800800H')

During writing

	7		L			1		$\overline{}$	1	
1	1		1	1 1	1	1 1	- 1	1	1 1 1	
Lib	1 1 1	1.0	10		0 1 7	1 1	- 1	- i		^
1111	1 L 1	+ 0		1	U 1 /	1 1	i i	i	0	()
1 7 6 7	, - ,	, •		1 1	, ,	1 1	i	i	1 1 1	_

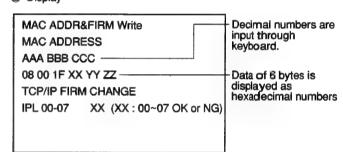
When writing is completed(The same applies when copy is skipped at the first verification.)

		7 7 7	
1 1 1		!!!!	1 1 1 1
1 1 2 2 1 1 1	0:0:-:0:	7 ! ! !	1 10 K
11:5:4:	10101-101	/ ! ! !	i i Uiki
1 1	1 1 1 1		1. 1 1 1 1

When writing process ends with an error.

	1 1	1 1	1 1	1 1	
	1010	!-!0!7	1 1	1 1	
IIIPILI	1010	. — . U . /	1 1	1 1	i NiGi
1 1 1 1 1	1 - 1 -				1

② Display



TCP/IP FIRM CHANGE:

A	ERASE	00-07	00
В	COPY	00-05	00
С	FIRM	CHANGE	PASS!!

While the address and firmware are being rewritten, the message A and then B appears.

When the address and firmware have been rewritten, the message C is displayed.

The following screen appears when the IPL switch is not turned to the write mode.

MAC ADDR&FIRM Write	
CHANGE IPL SW!!	

3 How to exit the program.

Press the CANCEL key to exit the program.

After rewriting, make sure to turn the power off and then turn it on again.



5) Data Transmission Check

The program performs a data transfer test using an actually established system.

The system consists of 1 master machine and up to 31 satellite machines.

Caution to be taken when starting the test.

- If this test is performed on the ECRs set for LAN, cancel the settings before starting the test.
- If this test is performed using an established system, disconnect the LAN cables from the ECRs you do not want to test or cancel their LAN settings. If the test is performed with those ECRs set for LAN, their data might be destroyed.
- After canceling the LAN settings of all ECRs on the system, set them for data transfer test.

Set the satellite machines first, and then set the master machine.

• The Diag of the UP-600/700 uses a private IP address. Each IP address is unique on the Internet. When building a private network, you should be careful not to allow your internal packet used for your own network to leak to the Internet, because it might cause a confusion. The Internet Assigned Numbers Authority (IANA) specifies IP addresses that can be used without registration. These addresses can only be used within a private network and are not route controlled between sites of the Internet.

Class A: 10.x.x.x

Class B: 172.16.x.x 172.31.x.x Class C: 192.168.0.x?192.168.255.x

It is strongly recommended to use addresses within the above range when building a private network.

In this Diag. program, the following private IP addresses are assigned to the terminal Nos. (0 - 31).

TERMINAL NO.1 = 192.168.0.1

TERMINAL NO.2 = 192.168.0.2

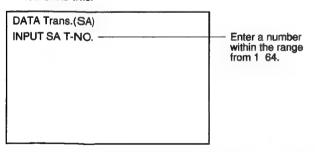
TERMINAL NO.31 = 192.168.0.31

TERMINAL NO.32 = 192,168,0.32

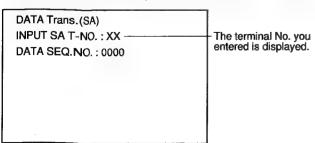
① Setting

i. Setting satellite machines

On the menu screen, select DATA Trans. (SA). The screen looks like this:

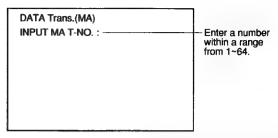


Enter the terminal No. of the machine you are going to test (a 2-digit number from 1 - 32) + Enter. The screen looks like this:

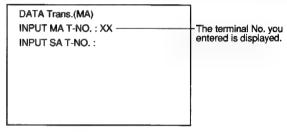


i. Setting master machine.

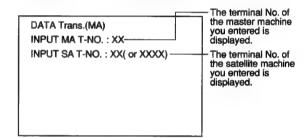
On the menu screen, select DATA Trans. (MA). The screen looks like this:



Enter the terminal No. of the machine you want to test (a 2-digit number from 1 - 64)+ Enter. The screen looks like this:



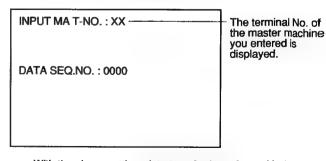
Enter the terminal No. (a 2-digit number from 1 -64) of the satellite machine which is to be connected to the test machine + Enter. The screen looks like this:



When performing the test with multiple satellite machines, type their terminal numbers (2-digit numbers within the range from 1~64) and press Enter. In addition, you specify the satellite machines using the area specification function without typing terminal numbers. This is achieved by typing the first terminal number (2 digits) and the last terminal number (2 digits) of the satellite machines and then press Enter. For example, if you want to specify the terminal numbers of satellite machines from 5 to 15, type "0515" for T-No. and press Enter. When executing, press the Enter key only without typing the terminal numbers.

The display appears like this:

Note that the terminal numbers of the master machine and satellite machines should not be the same. When the terminal numbers are to be specified using the area specification function, any terminal number that is used for the master machine will be excluded from the specification of satellite machine terminal numbers.



With the above setting, data transfer is performed between the master machine and the satellite machines.



② Checking

i. The master machine sends data of the following format consisting of 2-byte sequence No. and 254-byte AAH data to the satellite machine. The master machine displays the sequence Nos.

Test data format (1 packet: 256 bytes)

					•••						•
XX	XX	AA	AA	AA	•••	•••	•••	AA	AA	AA	

XXXX: Sequence No. 2 bytes (4-digit binary coded decimal number)

AA: Transfer (AAH) ~ 254 bytes

- ii. The satellite machine returns the data it has received, to the master machine as it is. The satellite machine displays the sequence No. on the screen.
- iii. The master machine receives the data and then checks the sequence Nos. and 254-byte AAH data. If an error occurs, the master machine displays an error code and ends the test. If there are multiple satellite machines, steps i and ii are repeated.

The master machine advances the sequence No. when data is transferred successfully between it and the satellite machines.

Steps i - iii are repeated.

3 Error display

	The terminal No. of the master machine you entered is displayed.
INPUT MA T-NO.: XX	
XX XX XX XX XX XX	After executing, all the terminal Nos. of the
xx xx xx xx xx xx	satellite machines are
XX XX XX XX XX XX	displayed. Up to 31 units.
TCP/IP ERROR : XX	The error code appears on screen.

The following error codes are used(same as for TCP/IP HANDLER)

01	Command error (excluding the time when data is sent)
02	No data received
03	Received data size present Received data left
04	Receiving station not ready for receiving (when sending) "NRDY" is returned because the receiving station is not ready for receiving.
05	Receiving buffer full(when sending) The receiving side's controller receive buffer is full.
06	Resenderror(When sending) The number of retries exceeds the setting (5 times) when no response is obtained.
07	Collision error (When sending) If a collision occurs
08	Line busy time out Data cannot be sent due to multiple stations communicating
09	Receiving data size over (when receiving) Insufficient size of receiving buffer.
0A	Hardware error Interface error (No SRN interface or defective SRN controller)

③ How to exit the program Press the CANCEL key to exit the program.

3-7. EFT & MCR & DRAWER Diagnostics

The program checks the EFT(ER-01EF) and MCR and drawer.

The following menu appears on screen.

The cursor shown in reverse video can be moved using the up/down arrow keys. Move the cursor to the menu item you want to execute and select by pressing the ENTER key to execute the corresponding program. Press the CANCEL key to return the screen to this submenu.

EFT&MCR&DRAWER Check
EFT Check
MCR Check
DRAWER 1 Check
DRAWER 2 Check

1) EFT Check

Select the EFT Diag on the menu and turn the power off.

Set all DIPSW1 on the ER-01EF to OFF. Turn the power ON, and the program automatically starts the EFT check.

- ① Checking
 - (i) For the EFT connector, the loop back test is performed on ER-DRAER-CI and RS-CS.
 - (ii) Turn on the switches 1 8 of the DIPSW1 one by one to check them for operation.
 - (iii) If they operate normally, the sum check is performed on EFT ROM and write/read check on RAM.
- ② JOURNAL print(When ending normally)

_	-		 	
	DIAGO (SELF TEST)	:OK		
	VHI27040R**1*	:OK		
	256K SRAM	:OK		

③ JOURNAL print(when not ending normally)

In Loop Back Error

ER-DR LOOP ERROR

ER-CI LOOP ERROR

RS-CS LOOP ERROR

In Self Test Error

DIP SW ERROR

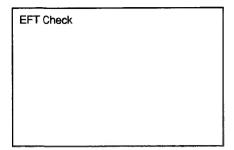
In Self Test Error

VHI27040R**1* :ERROR

256K SRAM :ERROR



4 Display



(5) How to exit the program

Press the CANCEL key to exit the program.

2) Magnetic Card Reader Check

The program performs the read test of an optional UP-E13MR.

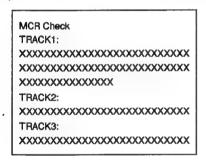
The test program reads a magnet card of the ISO7811/1-5 standard and prints data on the journal.

Press the CANCEL key to return the screen to submenu.

① Checking

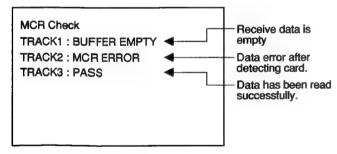
The program reads tracks 1 - 3 of a magnet card of the ISO7811/1'5 standard and prints data with the ASCII codes.

② JOURNAL print



Data read by the MCR is printed in the areas XXXXX. If an error occurs, the following error codes are displayed. Until the program is terminated, the error code is repeated, standing by for reading.

_ 3 Display



4 How to exit the program.

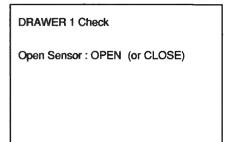
Press the CANCEL key to exit the program.

3) Drawer 1 Check

1) Checking

The program turns on the drawer 1 solenoid, senses the value of the drawer open sensor every 100 ms, and displays the operating status.

② Display



3 How to exit the program

Press the CANCEL key to exit the program.

4) Drawer 2 Check

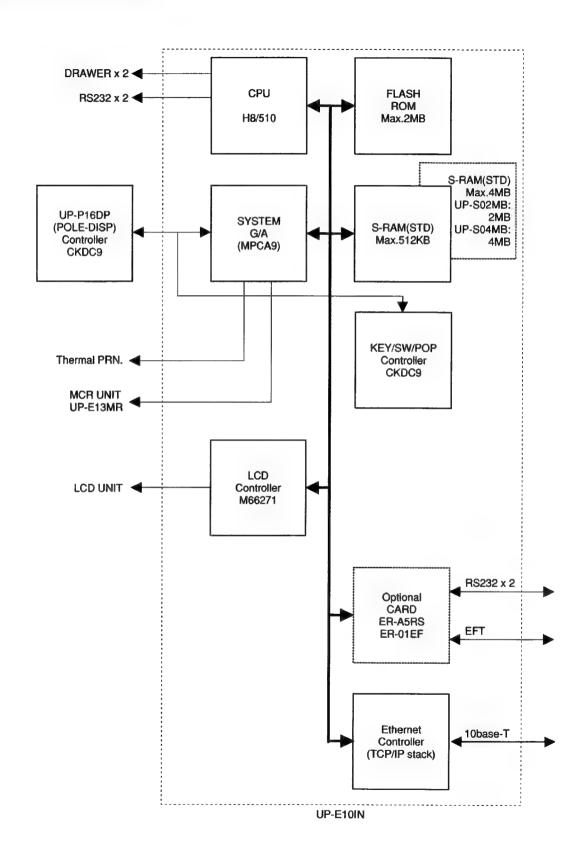
① Checking

The program turns on the drawer 2 solenoid, senses the value of the drawer 2 open sensor every 100 ms, and displays the operating status. The procedure for displaying the menu and exiting the program are the same as for the drawer 1 check.



CHAPTER 6. CIRCUIT DESCRIPTION

1. Hardware block diagram

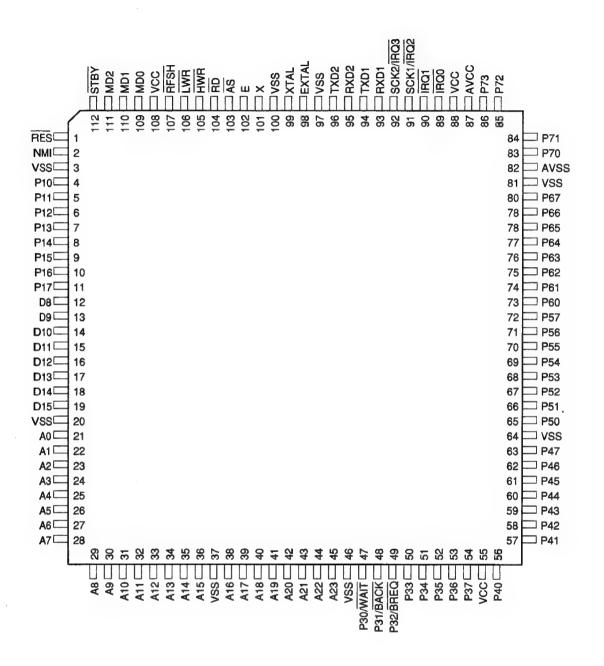




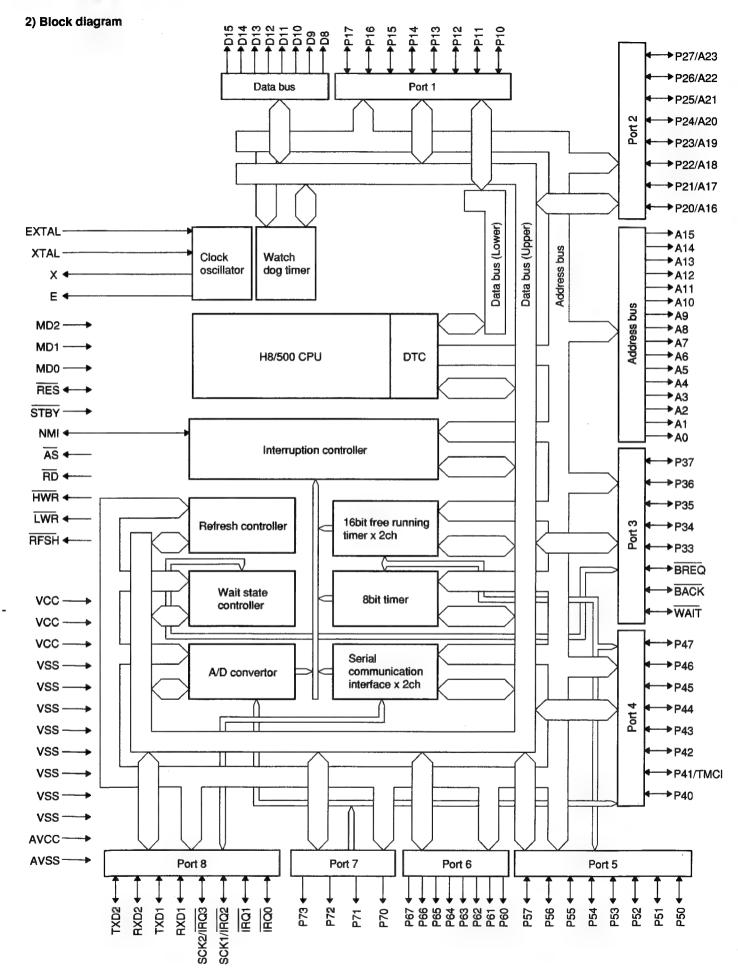
2. Description of main LSI's

2-1. CPU (HD6415108FX)

1) Pin description









3) Pin description

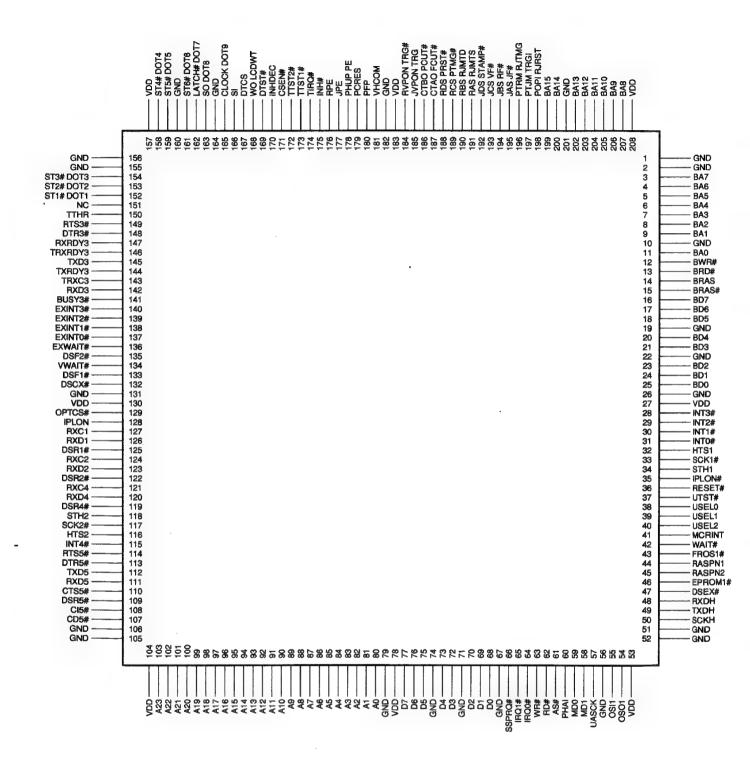
Pin No.	Symbol	Signal name	In/ Out	Function			
1	/RES	/RESET	In	Reset signal			
2	NMI	NMI	ln	Non-maskable interrupt input for SSP interrupt input.			
3	VSS	GND	ln	GND			
4	D0	D0	I/O	Data bus			
5	D1	D1	I/O	Data bus			
6	D2	D2	I/O	Data bus			
7	D3	D3	I/O	Data bus			
8	D4	D4	1/0	Data bus			
9	D5	D5	1/0	Data bus			
10	D6	D6	1/0	Data bus			
11	D7	D7	1/0	Data bus			
12	D8	D8	1/0	Data bus			
14	D9 D10	D9 D10	1/0	Data bus Data bus			
15	D10	D10	1/0	Data bus			
16	D12	D12	1/0	Data bus			
17	D12	D12	1/0	Data bus			
18	D14	D14	1/0	Data bus			
19	D15	D15	1/0	Data bus			
20	VSS	GND	In	GND			
21	AO	A0	Out	Address bus			
22	A1	A1	Out	Address bus			
23	A2	A2	Out	Address bus			
24	A3	A3	Out	Address bus			
25	A4	A4	Out	Address bus			
26	A5	A5	Out	Address bus			
27	A 6	A 6	Out	Address bus			
28	A7	A7	Out	Address bus			
29	A8	A8	Out	Address bus			
30	A9	A9	Out	Address bus			
31	A10	A10	Out	Address bus			
32	A11 A12	A11 A12	Out	Address bus Address bus			
34	A12	A12	Out	Address bus			
35	A14	A14	Out	Address bus			
36	A15	A15	Out	Address bus			
37	VSS	GND	In	GND			
38	A16	A16	Out	Address bus			
39	A17	A17	Out	Address bus			
40	A18	A18	Out	Address bus			
41	A19	A19	Out	Address bus			
42	A20	A20	Out	Address bus			
43	A21	A21	Out	Address bus			
44	A22	A22	Out	Address bus			
45	A23	A23	Out	Address bus			
46	VSS	GND	ln_	GND			
47	P30	/WAIT	In	Wait signal			
48	P31	/BACK	Out	Bus control request acknowledge signal			
49	P32	/BREQ	In	Bus control request signal			
50	P33	DOPS	In	Drawer open signal			
51	P34	/DR0	Out	Option drawer open signal			
52	P35 P36	/DR1	Out	Option drawer open signal			
53 54	P36 P37	NC NC	NC	NC NC			
_ 54 55	VCC	VCC	NC In	+5V			
56	P40	VCC	In	+5V			
57	P41	GND	In	GND			
٠.	P42	GND	ln	GND			

	1	1				
Pin	Symbol	Signal	In/	Function		
No.		name	Out			
59	P43	GND	In	GND		
60	P44	MCRINT	In	MCR interrupt signal		
61	P45	GND	In	GND		
62	P46	/SHEN	ln	CKDC interface shift enable		
		/SHEIN	""	signal		
63	P47	GND	In	GND		
64	VSS	GND	In	GND		
65	P50	_	Out	/DTR2 : Data Terminal Ready2		
66	P51	_	In	/DSR2 : Data Set Ready2		
67	P52	-	In	/CTS2 : Clear To Send2		
68	P53	_	In	/DCD2 : Carriar Detect2		
69	P54	-	In	NC		
70	P55	NC NC	Out	/RTS2:Request To Send2		
71	P56	140	In	The state of the s		
		/CTOD		/CI2:Calling Indicator2		
72	P57	/STOP	Out	System reset output signal		
73	P60	/IPLON0	In	From IPL SW		
74	P61	/IPLON1	In	From IPL SW		
75	P62	GND	In	GND		
76	P63	NORDY	In	Flash Memory ready ("H" active)		
77	P64	FVPON	Out	Flash Memory write protect ("L"		
	1-04	FVFOIN	Jul	active)		
78	P65	BANK	Out	For IPL ROM		
79	P66	GND	In	GND		
80	P67	GND	In	GND		
81	VSS	GND	In	GND		
82	AVSS	GND	In	GND		
83	P70	GND	In	GND		
84	P71	GND	In	GND		
85	P72	GND	In	GND		
86	P73	GND	In	GND		
87	AVCC	VCC	In	+5V		
88	VCC	VCC	In	+5V		
89	/IRQ0	/IRQ0	ln I-	Interrupt signal 0		
90	/IRQ1	/IRQ1	ln	Interrupt signal 1		
91	/IRQ2	UASCK	In	Synchronizing shift clock signal		
				for USART		
92	/IRQ3	SCKI	Out	CKDC interface synchronizing		
				shift clock		
93	RXD1	/RCVDT2	In	RXD signal for RS232		
94	TXD1	TXD2	Out	TXD signal for RS232		
95	RXD2	RXDI	In	CKDC interface shift input data		
96	TXD2	TXDI	Out	CKDC interface shift output		
	1702	ואטו	Jul	data		
97	VSS	GND	In	GND		
98	EXTAL	EXTAL	In	Crystal oscillator connection		
30	LAIAL	LATAL	""	19.6MHz		
99	XTAL.	XTAL	In	Crystal oscillator connection		
33	ATAL	VIAL	In	19.6MHz		
100	VSS	GND	In	GND		
101	Х	#	Out	System clock		
102	Е	NC	NC	NC		
103	/AS	/AS	Out	Address strobe		
104	RD	/RD	Out	Read signal		
105	/HWR	/HWR	Out	Write signal (HIGH)		
106	/LWR	/LWR	Out	Write signal (LOW)		
107	/RFSH	/RFSH	Out			
108	VCC	VCC	In	Refresh cycle signal		
				+5V		
109	MD0	IPLON0	ln In	From IPL SW		
110	MD1	IPLON0	In	From IPL SW		
111	MD2	/IPLON0	In	From IPL SW		
112	/STBY	VCC	In	+5V		



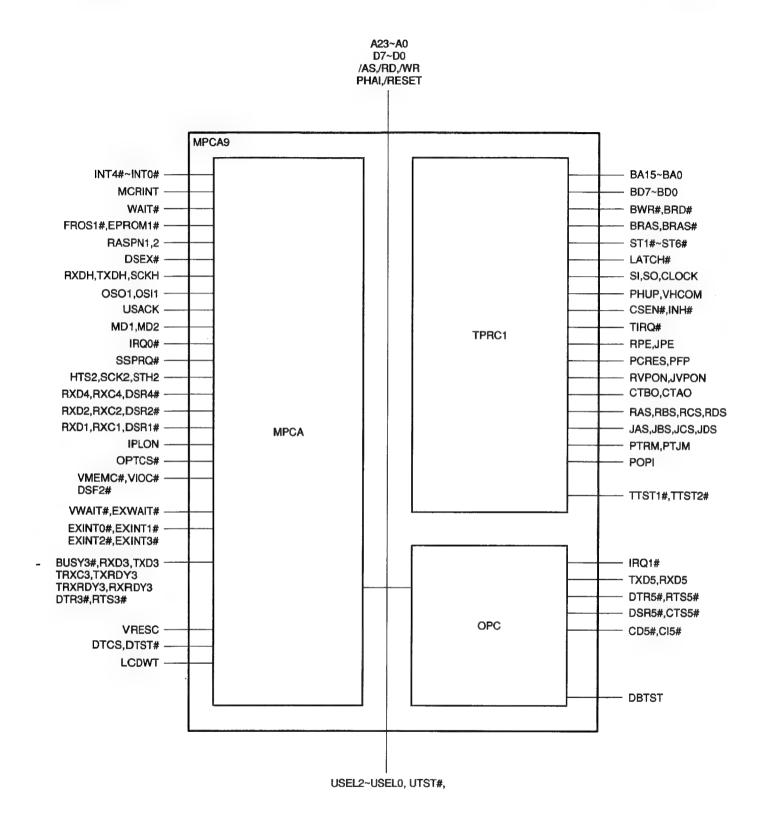
2-2. G.A.(MPCA9)

1) Pin configuration





2) Block diagram





3) Pin description

Pin No.	Name	IN/OUT	Description	
1	GND	-	GND	
2	GND	-	GND	
3	BA7	0	Address bus 7 for PB-RAM	
4	BA6	0	Address bus 6 for PB-RAM	
5	BA5	0	Address bus 5 for PB-RAM	
6	BA4	0	Address bus 4 for PB-RAM	
7	BA3	0	Address bus 3 for PB-RAM	
8	BA2	0	Address bus 2 for PB-RAM	
9	BA1	0	Address bus 1 for PB-RAM	
10	GND	-	GND	
11	BAQ	0	Address bus 0 for PB-RAM	
12	BWR#	0	PB-RAM write strobe signal	
13	BRD#	0	PB-RAM read strobe signal	
14	BRAS	0	PB-RAM chip select : Active High (NU)	
15	BRAS#	0	PB-RAM chip select : Active Low	
16	BD7	1/0	Data Bus 7 for PB-RAM	
17	BD6	1/0	Data Bus 6 for PB-RAM	
18	BD5	1/0	Data Bus 5 for PB-RAM	
19	GND	-	GND	
20	BD4	1/0	Data Bus 4 for PB-RAM	
21	BD3	1/0	Data Bus 3 for PB-RAM	
22	GND	-	GND	
23	BD2	I/O	Data Bus 2 for PB-RAM	
24	BD1	1/0	Data Bus 1 for PB-RAM	
25	BD0	1/0	Data Bus 0 for PB-RAM	
26	GND	1/0	GND	
27	VDD	-	+3.3V	
28	INT3#	Ī	Interrupt signal 3 (NU)	
29	INT2#		Shift enable for CKDC9	
30	INT1#	'	Keyboard request for CKDC9	
31	INTO#		Power off signal input	
32	HTS1	0	8 bit serial port output (for CKDC9)	
33	SCK1#	0	Serial port shift clock output (for CKDC9)	
34	STH1	I	B bit serial port input (for CKDC9)	
35	IPLON#	<u>'</u>	IPL switch 0 ON signal	
36	RESET#		MPCA reset	
37	UTST#	I	MPCA test pin (+3.3V)	
38	USELO	ı	MPCA test pin (43.3V)	
39	USEL1	ı	MPCA test pin (GND)	
40	USEL2		MPCA test pin (GND)	
41	MCRINT	0	MCR interrupt signal	
42	WAIT#	0	Wait request signal	
43	FROS1#	0	Flash ROM 1 chip select signal	
44	RASPN1	0		
45	RASPN2	0	RAM 1 chip select signal	
46	EPROM1#	0	RAM 2 chip select signal	
47	DSEX#	0	EP-ROM 1 chip select signal EP-ROM 2 chip select signal	
48	RXDH	0	8 bit serial port output to CPU	
49	TXDH	ı	8 bit serial port output to CPU	
50	SCKH		· · · · · · · · · · · · · · · · · · ·	
51	GND	_	Serial port shift clock input from CPU GND	
52	GND	-	GND	
53	VDD	-	+3.3V	
54	OSO1	0	System clock (7.37MHz)	

Pin	Name	IN/OUT	Description	
No. 55	OSI1	1	'	
56	GND	<u>'</u>	System clock (7.37MHz) GND	
57	UASCK	0	USAT clock to CPU	
58	MD1	ī	MPCA test pin (GND)	
59	MD0	i i	· · · · · · · · · · · · · · · · · · ·	
60	PHAI		MPCA test pin (GND)	
			System clock (9.83MHz)	
61	AS#		Address strobe	
62	RD#		Read Strobe	
63	WR#	1	Write Strobe	
64	IRQ0#	0	Interrupt request 0 to CPU	
65	IRQ1#	0	Interrupt request 1 to CPU	
66	SSPRQ#	0	SSP interrupt request to CPU	
67	GND	-	GND	
68	D0	1/0	Data Bus 0	
69	D1	1/0	Data Bus 1	
70	D2	1/0	Data Bus 2	
71	GND	-	GND	
72	D3	1/0	Data Bus 3	
73	D4	1/0	Data Bus 4	
74	GND	-	GND	
75	D5	I/O	Data Bus 5	
76	D6	I/O	Data Bus 6	
77	D 7	1/0	Data Bus 7	
78	VDD	-	+3.3V	
79	GND	-	GND	
80	A0	- 1	Address bus 0	
81	A1	1	Address bus 1	
82	A2	- 1	Address bus 2	
83	A3	1	Address bus 3	
84	A4	ı	Address bus 4	
85	A5	1	Address bus 5	
86	A6	ı	Address bus 6	
87	A7	1	Address bus 7	
88	A8	1	Address bus 8	
89	A9	I	Address bus 9	
90	A10	- 1	Address bus 10	
91	A11	1	Address bus 11	
92	A12	ı	Address bus 12	
93	A13	1	Address bus 13	
94	A14	1	Address bus 14	
95	A15	ı	Address bus 15	
96	A16	1	Address bus 16	
97	A17	1	Address bus 17	
98	A18	1	Address bus 18	
99	A19		Address bus 19	
100	A20	i	Address bus 19 Address bus 20	
101	A21	ı	Address bus 21	
102	A22	ī	Address bus 22	
103	A23	i	Address bus 23	
104	VDD	-	+3.3V	
105	GND	-	GND	
106	GND	-	GND	
107	CD5#	1	RS-232 ch1 CD signal	
108	CI5#	,	RS-232 ch1 CI signal	
			or	



Г <u>Б.</u>				
Pin No.	Name	IN/OUT	Description	
109	DSR5#	- 1	RS-232 ch1 DSR signal	
110	CTS5#	ı	RS-232 ch1 CTS signal	
111	RXD5	1	RS-232 ch1 RXD signal	
112	TXD5	0 .	RS-232 ch1 TXD signal	
113	DTR5#	0	RS-232 ch1 DTR signal	
114	RTS5#	0	RS-232 ch1 RTS signal	
115	INT4#	ı	Shift enable for option display	
116	HTS2	0	8 bit serial port output (for option display)	
117	SCK2#	0	Serial port shift clock output (for option display)	
118	STH2	1	8 bit serial port input (for option display)	
119	DSR4#	ı	MCR track 3 CLS signal	
120	RXD4	ı	MCR track 3 RDD signal	
121	RXC4	ı	MCR track 3 RCP signal	
122	DSR2#	1	MCR track 2 CLS signal	
123	RXD2		MCR track 2 RDD signal	
124	RXC2	1	MCR track 2 RCP signal	
125	DSR1#	1	MCR track 1 CLS signal	
126	RXD1	1	MCR track 1 RDD signal	
127	RXC1	1	MCR track 1 RCP signal	
128	IPLON	0	IPL switch 0 ON signal to CPU	
129	OPTCS#	0	Chip select base signal for expansion option	
130	VDD	-	+3.3V	
131	GND	-	GND	
132	VMEMC#	0	VRAM chip select signal	
133	VIOC#	0	LCDC chip select signal	
134	VWAIT#	1	LCDC wait signal	
135	DSF2#	0	DPRAM chip select signal External wait signal	
136	EXWAIT# EXINTO#	1	External interrupt signal 0	
138	EXINT1#			
139	EXINT2#		External interrupt signal 1	
140		-	External interrupt signal 2	
141	BUSY3#		External interrupt signal 3 Fiscal memory BUZY signal (NU)	
142	RXD3	i	Fiscal memory RXD signal (NU)	
143	TRXC3	i	Fiscal memory CLOCK signal (NU)	
144	TXD3	0	Fiscal memory TXD signal (NU)	
145	TXRDY3	0	NU	
146	TRXRDY3	0	NU	
147	RXRDY3	0	Fiscal memory READY signal (NU)	
148	DTR3#	0	Fiscal memory DTR signal (NU)	
149	RTS3#	0	Fiscal memory RTS signal (NU)	
150	DBTST	1	MPCA test pin (GND)	
151	VRESC	0	NU	
152	ST1#	0	Thermal head drive strobe signal 1	
153	ST2#	0	Thermal head drive strobe signal 2	
154	ST3#	0	Thermal head drive strobe signal 3	
155	GND	-	GND	
156	GND	-	GND	
157	VDD	-	+3.3V	
158	ST4#	0	Thermal head drive strobe signal 4	
159	ST5#	0	Thermal head drive strobe signal 5 (NU)	
160	GND		GND	
161	ST6#	0	Thermal head drive strobe signal 6 (NU)	
162	LATCH#	0	Thermal head latch signal	

Pin		1			
No.	Name	IN/OUT	Description		
163	SO	0	Thermal head serial output data		
164	GND	-	GND		
165	CLOCK	0	Thermal head clock signal		
166	SI	ı	Thermal head serial return data		
167	DTCS	0	Printer control select signal (GND)		
168	LCDWT	1	Wait request signal to CPU (+3.3V)		
169	DTST#	ı	MPCA test pin (+3.3V)		
170	INHDEC	1	CSEN# enable signal (GND)		
171	CSEN#	1	TPRC chip select (GND)		
172	TTST2#	1	MPCA test pin (+3.3V)		
173	TTST1#	1	MPCA test pin (+3.3V)		
174	TIRQ#	0	TPRC interrupt request		
175	INH#	I	Thermal head drive inhibit		
176	RPE	I	Receipt paper end signal		
177	JPE	ı	Journal paper end signal		
178	PHUP	I	Printer head up signal		
179	PCRES	1	Auto cutter unit reset signal		
180	PFP	1	Auto cutter unit FP signal		
181	VHCOM	- 1	Head drive common power control		
182	GND	-	GND		
183	VDD	-	+3.3V		
184	RVPON	0	Receipt side paper feed pulse motor common power control signal		
185	JVPON	0	Journal side paper feed pulse motor common power control signal (NU)		
186	СТВО	0	Cutter motor control signal		
187	CTAO	0	Cutter motor control signal		
188	RDS	0	Receipt side paper feed pulse motor drive signal, phase D		
189	RCS	0	Receipt side paper feed pulse motor drive signal, phase C		
190	RBS	0	Receipt side paper feed pulse motor drive signal, phase B		
191	RAS	0	Receipt side paper feed pulse motor drive signal, phase A		
192	JDS	0	Journal side paper feed pulse motor drive signal, phase D		
193	JCS	0	Journal side paper feed pulse motor drive signal, phase C		
194	JBS	0	Journal side paper feed pulse motor drive signal, phase B		
195	JAS	0	Journal side paper feed pulse motor drive signal, phase A		
196	PTRM	1	Receipt motor connector sens signal		
197	PTJM	-	Journal motor connector sense signal		
198	POPI	I	GND		
199	BA15	0	Address bus 15 for PB-RAM		
200	BA14	0	Address bus 14 for PB-RAM		
201	GND	-	GND		
202	BA13	0	Address bus 13 for PB-RAM		
203	BA12	0	Address bus 12 for PB-RAM		
204	BA11	0	Address bus 11 for PB-RAM		
205	BA10	0	Address bus 10 for PB-RAM		
206	BA9	0	Address bus 9 for PB-RAM		
207	BA8	0	Address bus 8 for PB-RAM		
208	VDD	-	+3.3V		



2-3. CKDC9 (HD404728B02FS)

1) General description

The CKDC9 is a 4-bit microcomputer developed for the UP-600/700 and provides functions to control the real-time clock, keys, and displays. The basic functions of the CKDC7 are shown below.

Keys:

The CKDC9 is capable of controlling a maximum of 256

momentary keys. (Sharp 2-key rollover control) Simultaneous scanning of key and switch

(When a key is scanned, the state of a mode and clerk switch is also buffered. The host can scan the state of switch together with the key entry data at the same time

the key is scanned.)

Switches:

Mode switch with 14 positions maximum

8-bit clerk (cashier) switch

2-bit feed switch

1-bit receipt on/off switch

1-bit option switch

4-bit general-purpose switch (1-bit is used for keyboard

select)

Displays:

16-column dot display

12-column 7-segment display (column digit selectable)
All column blink controlled for the dot and 7-segment dis-

play decimal point and indicators

Programmable patterns for 7-segment display:

Four patterns

Internal driver for 7-segment display

Buzzer:

Single tone control

Clock:

Year, month, day of month, day of week, hour, minute

Alarm:

Hour, minute

Interrupt request (event control):

Detection of key input, switch position change, alarm issue, and counter overflow

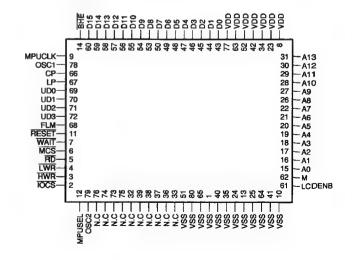
2) Pin description

Pin No.	Symbol	Signal name	In/ Out	Function	
1	SB	SB	Out	Segment B	
2	SC	SC	Out	Segment C	
3	SD	SD	Out	Segment D	
4	SE	SE	Out	Segment E	
5	SF	SF	Out	Segment F	
6	SG	SG	Out	Segment G	
7	P4	AP	Out		
8	P0	NC	_	NC	
9	P1	NC	_	NC	
10	P2	DP	Out	Decimal point	
11	P3	ID	Out	Indicator	
12	MODR	VCC	_	+5V	
13	CFSR	CFSR	In	Clerk key, Feed key, Switch	
				return signal	
14	KEX0	NC_	Out	NC	
15	KEX1	NC	Out	NC	
16	RQ	GND		GND	
17	SKRO	VCC		+5V	
18	ST0	ST0	Out	Key strobe signal	
19	ST1	ST1	Out	Key strobe signal	
20	ST2	ST2	Out	Key strobe signal	
21	ST3	ST3	Out	Key strobe signal	
22	POFF	POFF	In	Power off signal	
23	STOP	STOP	In	STOP signal	
24	DDIG	VCC		+5V	

				T	
Pin No.	Symbol	Signal	In/	Function	
NO.		name	Out	Det diselect as to the other select	
25	DCS	DCS		Dot display controller chip select DCS	
26	VCC	VCKDC		+5V	
27	SCK	SCK	In	Clock signal	
28	HTS	HTS	In	Key data from host	
29	STH	STH	Out	Key data to host	
30	SDISP	GND	_	GND	
31	BUZZ	BUZZ	Out	Buzzer	
32	DSCK	DSCK	_	Dot display controller SCK	
33	SRES	RESET	Out	Reset signal	
34	DS0	DSO	_	Dot display controller SO	
35	SHEN	SHEN	Out	Shift enable signal	
36	ĪRQ	KRQ	Out	Key request signal	
37	KR0	KR0	In	Key return signal	
38	KR1	KR1	In	Key return signal	
39	KR2	KR2	In	Key return signal	
40	KR3	KR3	In	Key return signal	
41	RESET	CKDCR	In	CKDC reset signal	
42	OSC2	OSC2	_	Clock	
43	OSC1	OSC1	_	Clock	
44	GND	GND	_	GND	
45	CL1	CL1		Time clock	
46	CL2	CL2	_	Time clock	
47	TEST	VCKDC	_	+5V	
48	G0	G1	Out	Display digit signal	
49	G1	G2	Out	Display digit signal	
50	G2	G3	Out	Display digit signal	
51	G3	G4	Out	Display digit signal	
52	G4	· G5	Out	Display digit signal	
53	G5	G6	Out	Display digit signal	
54	G6	G7	Out	Display digit signal	
55	G7	G8	Out	Display digit signal	
56	G8	G9	Out	Display digit signal	
57	G9	G10	Out	Display digit signal	
58	G10	G11	Out	Display digit signal	
59	G11	NC	Out	NC	
60	PO0	NC		NC	
61	PO1	NC		NC	
62	PO2	NC	_	NC	
63	PO3	NC	_	NC	
64	SA	SA	_	Segment A	

2-4. LCD controller (M66271FB)

1) Pin configration





2) Pin configration

Pin	Name	Description			
No.	VSS	GND			
2	IOCS#				
3	HWR#	Chip select input for control register			
4	LWR#	High write strobe input			
5		Low write strobe input			
	RD# MCS#	Read strobe input Chip select input for VRAM			
7	WAIT#				
8	VVAIT#	WAIT output to MPU +5V			
9	MPUCLK				
	VSS	MPU clock GND			
10	RESET#				
12		Reset input			
	MPUSEL	8/16-bit selective input to MPU			
13	VSS	GND			
14	BHE#	Bus high enable input			
15	A0	MPU address bus 0			
16	A1	MPU address bus 1			
17	A2	MPU address bus 2			
18	A3	MPU address bus 3			
19	A4	MPU address bus 4			
20	A5	MPU address bus 5			
21	A6	MPU address bus 6			
22	A7	MPU address bus 7			
23	VDD	+5V			
24	VSS	GND			
25	VSS	GND			
26	A8	MPU address bus 8 MPU address bus 9			
27	A9	MPU address bus 9 MPU address bus 10			
28	A10				
29	A11 A12	MPU address bus 11			
30	A12	MPU address bus 12			
32	N.C	MPU address bus 13			
33					
	N.C VDD	- EV			
34		+5V			
35	VSS	GND			
36	N.C				
37 38	N.C N.C				
39 40	N.C	CND			
41	VSS VSS	GND			
41	VDD	GND +5V			
43	D0	MPU data bus 0			
43		MPU data bus 0			
-	D1 D2	MPU data bus 1			
45	D3	MPU data bus 3			
46	D3				
47	D5	MPU data bus 4 MPU data bus 5			
49	D6	MPU data bus 6			
50	D7	MPU data bus 6 MPU data bus 7			
51	VSS	GND			
52	VDD	+5V			
53	D8	MPU data bus 8			
54	D9	MPU data bus 9			
34	Da	IVIF U Udla DUS 3			

Pin No.	Name	Description		
55	D10	MPU data bus 10		
56	D11	MPU data bus 11		
57	D12	MPU data bus 12		
58	D13	MPU data bus 13		
59	D14	MPU data bus 14		
60	D15	MPU data bus 15		
61	LCDENB	LCD (ON/OFF) control signal input		
62	М	LCD AC-conversion signal output		
63	VDD	+5V		
64	VSS	GND		
65	VSS	GND		
66	CP	Display data transfer clock		
67	LP	Display data clutch pulse		
68	FLM	FIRST LINE MARKER signal output		
69	UD0	LCD display data bus 0		
70	UD1	LCD display data bus 1		
71	UD2	LCD display data bus 2		
72	UD3	LCD display data bus 3		
73	N.C			
74	N.C			
75	N.C			
76	N.C			
77	VDD	+5V		
78	OSC1	Oscillation input terminal		
79	OSC2	Oscillation output terminal		
80	VSS	GND		



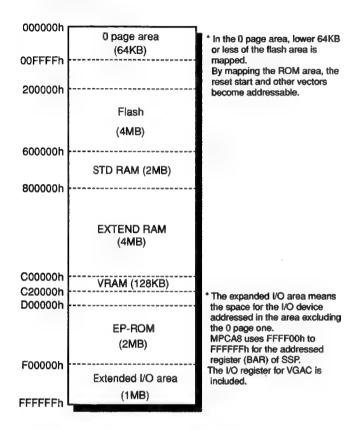
3. Address map

3-1. Total memory space

The address map of the total memory space is shown below. As you can see, the memory space is divided into the following 5 blocks:

Opage area (including the I/O area)

- VRAM
- RAM
- ROM
- Extended I/O area

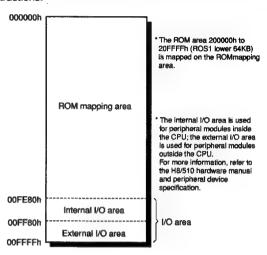


3-2. Opage area

The Opage area consists of four spaces: the ROM mapped area, internal and external I/O areas.

The ROM mapped space have been devised for the following purposes:

- ① Simplifying the procedure for booting the IPL program
- ② Achieving high-speed accessing, and accessing by abbreviated instructions.

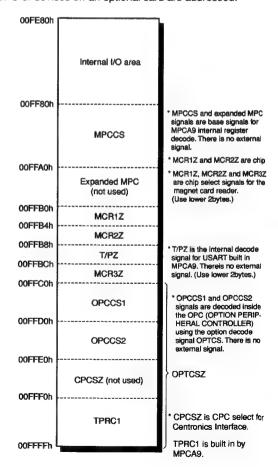


3-3. I/O areas

The addresses from 00FF80h to 00FFFFh are called the internal I/O area

The internal I/O area is a space where the control registers and built-in ports inside the CPU are addressed.

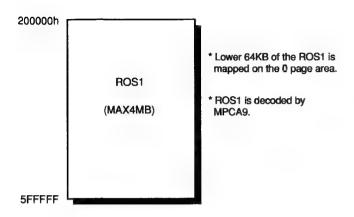
The external I/O area is a space where the peripheral devices outside the CPU or devices on an optional card are addressed.





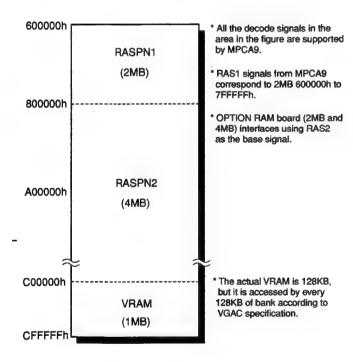
3-4. ROM space

Fig.5 shows the ROM space. The UP-600/700 uses 2MB of NORtype flash memory instead of conventional ROM, so that the FROS1# from the MPCA9 is input into the chip enable of the flash memory.



3-5. VRAM & RAM space

The VRAM is the display memory of the LCD.



3-6. Extended I/O area

The addresses from F00000h to FFFFFh are called an extended I/O area. The UP-600/700 uses the following addresses as the break address register (BAR) for SSP.

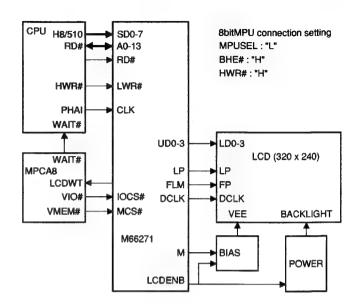
• FFFF00h ~ FFFFFFh

4. LCD display

The UP-600/700 uses a 320 x 240 dot monochromatic LCD for the main display and VGAC (M66271) for the display controller which is connected to H8/510 in the ISA bus connection mode.

4-1. Block diagram

Here is the block diagram of the LCD and its allied components.



4-2. LCD panel

The LCD panel uses a dot-matrix liquid crystal module with monochromatic STN and CCFT backlight. The resolution is 320 x 240.

4-3. Display controller

Matsushita VGAC (M66271) is used for display controller.

VRAM is present on the address space of the CPU and it is possible to write and read data from the CPU side through the lower 9600 byte address of 128 KB size in addresses C00000H ~ C1FFFH.

C00000H - C1FFFH:

4-4. LCD ON control

The LCD is turned on and off by controlling the bias power supply for the LCD using the terminal LCDENB of the M66271.

LCDENB is in low level when resetting. When bit 0 of the mode resistor of the M66271 by software is set to high level, the power is supplied to the LCD, thus turning on the LCD.

4-5. Back light control

The backlight ON/OFF is controlled by the same LCDENB as used for controlling the LCD ON.

4-6. Luminance and contrast adjustment

- Luminance: Luminance is adjusted with an inverter which has dimming function. (Fixed)
- Contrast: Contrast is adjusted by controlling the contrast adjustment voltage (VO) of the LCD.

5. Customer display

The UP-600/700 can incorporate a UP-P16DP for the customer display.

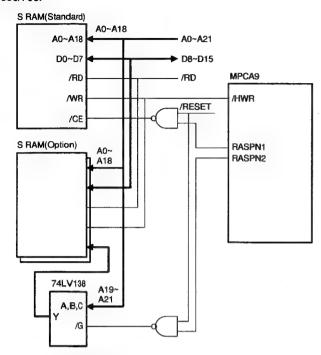
6. SRAM (Standard)

The device is HYUNDAI 4MB SRAM (HY628400ALLT2-70 512K 8bit) with access time of 70ns.



6-1. CPU interface

The figure below shows a typical pseudo SRAM interface in the UP-600/700.



6-2. SRAM address

Standard SRAM is decoded as follows by the RASPN1 signal.

① 780000h ~ 7FFFFh

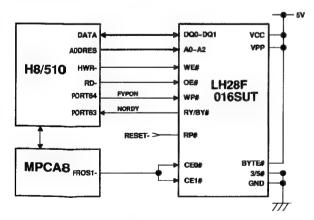
The base signal is 2MB. It thus wraparounds with 600000H ~ 7FFFFH 1.5MB.

7. NOR-type flash memory

Here is the explanation for the interface of NOR-type flash memory. The device is Sharp's LH28F016SU flash memory which consists of 512 K words \times 16 or 1 MB \times 8, with 32 blocks of 64 KB.

7-1. CPU interface

The figure below shows a typical interface for the LH28F016SU of the UP-600/700 system.



7-2. Device control

After resetting, the device automatically enters the array read mode and perform the same action as the usual ROM, thus requiring no special consideration when reading data.

Data can be written at high speed by using the page buffer.

8. SSP control

The UP-600/700 uses flash memory in the place of EPROM, so it is possible to rewrite the contents of the flash memory in changing the program. However, since the existing gate array MPCA8 is used, it is also possible to use the conventional SSP.

8-1. Operation

Like the MPCA5 \sim 8, the MPCA9 adopts the break address register comparison method for detecting addresses. The operation of this method is briefly explained below.

The gate array always compares the break address register (BAR) built in the gate array, with the address bus to monitor the address bus.

If both agree, the gate array outputs the NMI signal to the CPU, which in turn shifts from normal handling to exception handling.

In both the MPCA5 \sim 8 and the MPCA9, SSP is achieved by the above operation.

The setting of the break address register (BAR) is directly written in the addresses from FFFF00h to FFFFFFh.

9. Interrupt control

There are roughly two types of interrupts:

- Internal interrupts: Controlled inside the CPU
- · External interrupts: Input into the CPU from outside

9-1. Internal interrupts

Device interrupts built in the CPU are used for the following applications:

Ever	nt factor	Application
SC11		Interrupt source as RS232 : CH8
SC12		Not used (SC1 is used for CKDC interface.)
FRT1	(ICI) (OCRA) (OCRB) (OVF)	INTMCR ~ MCR interrupt (to FT11 terminal)
FRT2	(ICI)	Standard SHEN event (for CKDC)
	(OCRA)	Simple IRC timer event
	(OCRB)	RS232 timer event
	(OVF)	System timer (53 ms)
TMR	(CMA) · (CMB) (OVF)	
WDT	(OVF)	Drawer open timer
A/D		Not used
NMI		SSP request

9-2. External interrupts

The following types of external interrupts are available:

- NMI (SSP)
- IRQ0 (Standard I/O interrupt)
- IRQ1 (RS232 interrupt)
- IRQ2 (Not Used)
- IRQ3 (Used as SCK terminal)

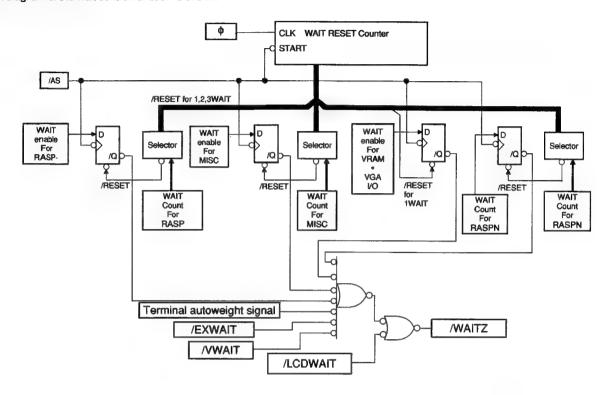


10. WAIT control

The weight control function built in the MPCA9 is used to provide an interface with low-speed devices.

10-1. Block diagram

The block diagram of the wait control function is shown.



In the figure, the decoder, wait enabling register, AND-OR sections are the same as those in the MPCA6 or 7, but other components are newly incorporated in the MPCA5.

EXWAITZ and WAITZ are external weight signals which are to be _ ORed inside the MPCA9 and output to the WAITZ. The EXWAITZ is a general-purpose wait request terminal, and WAITZ is the wait request signal from the VGA controller.

11. CKDC9

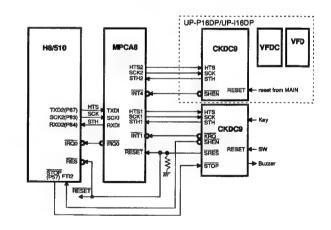
The UP-600/700 on CKDC9 for the CKDC PWB and one CKDC9 for POLE display (option) to carry out the following control operations.

CKDC PWB CKDC9:

- Clock (second data readable)
- Buzzer
- System reset
- Key/Clerk switch POLE CKDC9(UP-P16DP)
- · Customer display tube

11-1. Interface

CKDC9 is connected through the MPCA8.





12. Option RAM interface

12-1. Interface

The expanded RAM connector terminals are shown in the table.

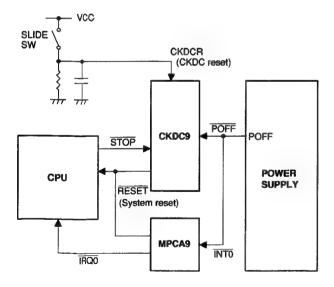
The 40-pin RAM is used for the connector.

Extension RAM connector terminals

Signal Name	Pin No.	Pin No.	Signal Name
+5V	1	2	N.C.
HWR	3	4	N.C.
GND	5	6	A21
A20	7	8	A19
A18	9	10	A17
A16	11	12	A15
A14	13	14	A13
A12	15	16	A11
A10	17	18	A9
A8	19	20	A 7
A6	21	22	A 5
A4	23	24	A3
A2	25	26	A1
A0	27	28	RD
D7	29	30	D6
D5	31	32	D4
D3	33	34	D2
D1	35	36	D0
RASPN2	37	38	VCKDC
GND	39	40	GND

13. Reset sequence

The reset sequence block diagram is shown below. Note that $\overline{\text{RESET}}$ signal (system reset) and $\overline{\text{CKDCR}}$ signal (CKDC reset) are different from each other.



13-1. Power ON/OFF

The flow of signal processing at the time of the power supply turning On/Off is as follows:

 Power OFF>
 Table 19

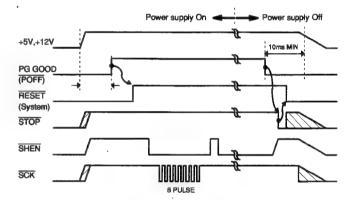
 Power supply
 MPCA9
 CPU
 CKDC9

 1
 POFF → L
 IRQ0 → L
 STOP → L

 3
 STOP → L
 RESET → L (System reset)

<power on=""></power>		Table 20		
	Power supply	MPCA9	CPU	CKDC9
1	POFF → H			
2			STOP → H	
3				RESET → H (System reset)

The table below shows the timing chart.





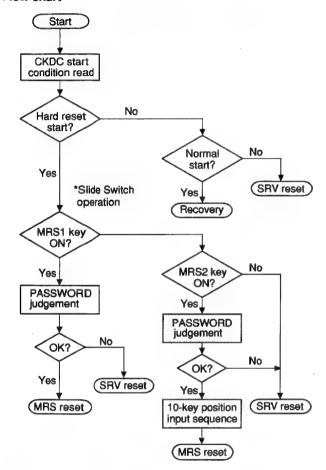
13-2. MRS, SRV reset

The UP-600/700 does not have the mode switch. The procedure for resetting MRS, SRV is different from that of conventional cash registers.

in the UP-600/700, MRS, SRV resetting is selected and executed by the key which has bee depressed when the CKDC reset is released to start the system.

(In the case of MRS, security is added by a key operation equivalent to a pass word.)

Flow chart



14. Drawer

The UP-600/700 can use up to 2 optional external drawers.

14-1. Drawer solenoid drive

P34 ~ P37 inside the CPU are allocated for the port output of the drawer solenoid drive.

Built-in port	Signal name	Remarks
P34	DRO	Drawer 1 (optional drawer)
P35	DR1	Drawer 2 (optional drawer)
P36	DR2	Reserved
P37	DR3	Reserved

One port corresponds to one drawer. Theoretically, it is possible to drive multiple drawers at the same time, but this processing must be inhibited softwarewisely because of power supply capacity and driver hardware factors. If a power failure is detected, the drawer solenoid drive must be stopped as soon as possible.

* The drawer solenoid drive time must controlled in the range of 40 ms to 50 ms by the timer.

14-2. Drawer open/close sense

The drawer open/close sense signal is input into the built-in port of the CPU. the sense signal of an optional drawer sensor is also wired ORed before inputting.

P33=1: Any of the drawers is open.

15. TCP/IP STACK

The LAN of the UP-600/700 uses as a protocol Ethernet, which supports TCP/IP.

The interface with the TCP/IP board is achieved through 2 interrupt signals and dual-port RAM.

The decode of dual-port RAM is located in the following space:

DP-RAM: F20000H - F2FFFFH (max. 64 KB)

The interruption from the TCP/IP is allocated as follows:

EXINTO: INTSW (SLAVE WRITE interrupt) bit 6 of 00FF81H EXINT1: INTSR (SLAVE READ interrupt) bit 0 of 00FF80H

<TCP/IP connector terminals>

Cianal Name	Din No		Din No.	Cinnel None
Signal Name	Pin No.		Pin No.	Signal Name
+5V	2		1	+5V
+5V	4		3	+5V
A14	6		_ 5	A15
A12	8		7	A13
HWR	10		9	DPCS
A10	12		11	A11
A0	14		13	RD
A2	16		15	A1
A4	18		17	A3
A6	20 22		19	A 5
A8			21	A 7
D7	24		23	A9
D5	26		25	D6
D3	28		27	D4
D1	30		29	D2
LRES	32		31	D0
INTSW	34		33	INTSR
-	36		35	-
GND	38		37	GND
GND	40		39	GND

16. RS232

Two standard RS232 channels are compatible with the ER-A5RS. However, while the ER-A5RS uses the $\overline{IRQ2}$ terminal of the CPU for interruption of the RS232, the UP-600/700 cannot use the $\overline{IRQ1}$ terminal instead of it. (The $\overline{IRQ2}$ terminal is used for IR as the SCK1 terminal.)

The standard RS232 is fixed to the logic channels 1 and 8. Use the channels 2, 3, 4, 5, 6 and 7 for the ER-A5RS.

17. MCR

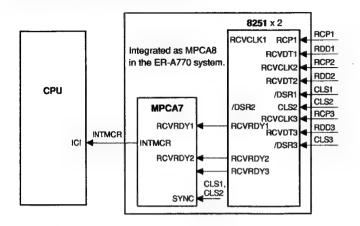
This paragraph describes MCR option (UP-E13MR) control defined by UP-600/700 hardware architecture.

3 channels of the serial port (interchangeable with 8251) built in the MPCA9 are used. 3 tracks of data are read simultaneously. Supports the first and second tracks MCR of ISO. (UP-E13MR)



17-1. CPU interface

The CPU interface for the USART (8251) and magnet card reader (MCM-21) in the UP-600/700 system is shown below.



Signal description

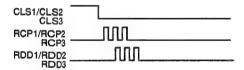
RCP1	TRACK 1 CLOCK PULSE
RDD1	TRACK 1 DATA SIGNAL
RCP2	TRACK 2 CLOCK PULSE
RDD2	TRACK 2 DATA SIGNAL
RCP3	TRACK 3 CLOCK PULSE
RCD3	TRACK 3 DATA SIGNAL
CLS1	TRACK 1 CARD DETECTION SIGNAL
CLS2	TRACK 2 CARD DETECTION SIGNAL
CLS3	TRACK 3 CARD DETECTION SIGNAL
RCVRDY1	TRACK 1 DATA RECEIVING SIGNAL
RCVRDY2	TRACK 2 DATA RECEIVING SIGNAL
RCVRDY3	TRACK 3 DATA RECEIVING SIGNAL
INTMCR	INTERRUPT SIGNAL OR-SYNTHESIZED from RCVRDY and SYNC input

2 chip select signals for 8251 are generated inside MPCA8.

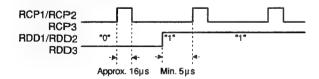
17-2. MCR interface

The operating timing of the MCR interface signals is given below.

(1) Example of timing



(2) Detailed timing (relation between DATA and CLOCK PULSE)

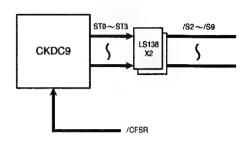


The "NULL" CODE is basically written prior to the opening code. The opening code detection algorithm is considered because data may become corrupt before and after the CARD detection signal due to a worn magnet stripe.

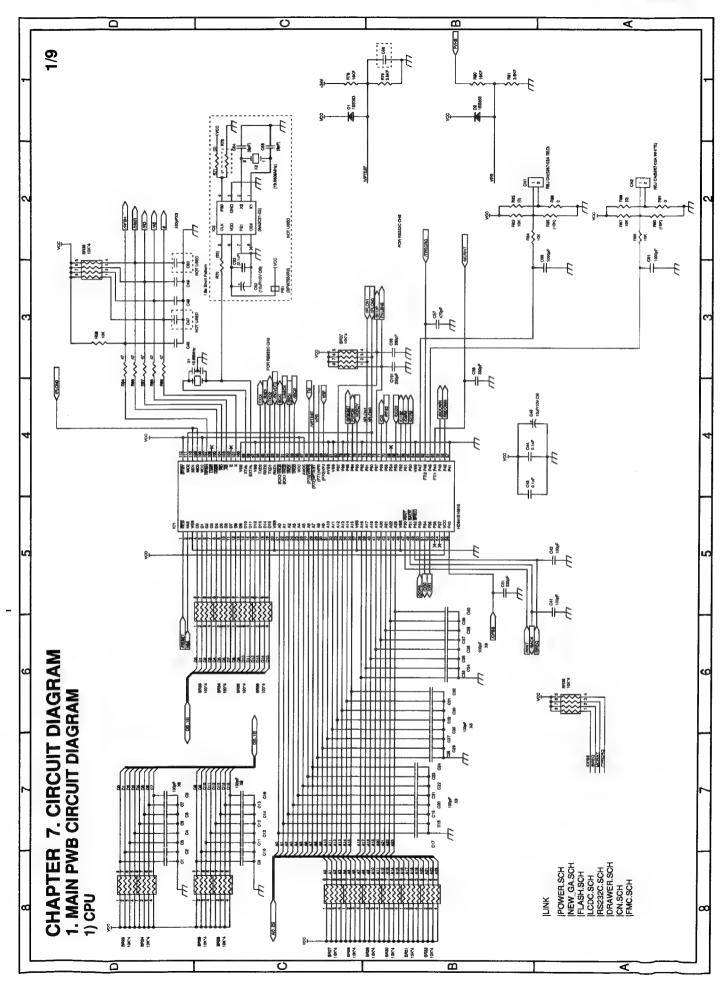
18. 1-HOLE CLERK

On the UP-600/700, 1-hole clerk key with up to B bits can be used.

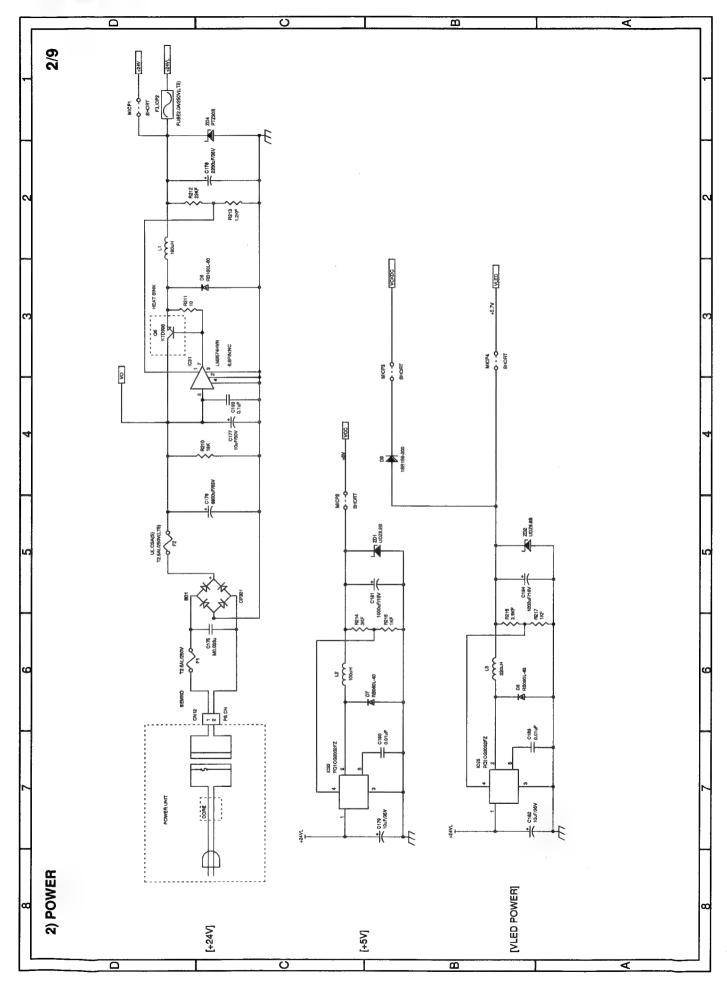
The 1-hole clerk switch is controlled through the CKDC9 on the main board.



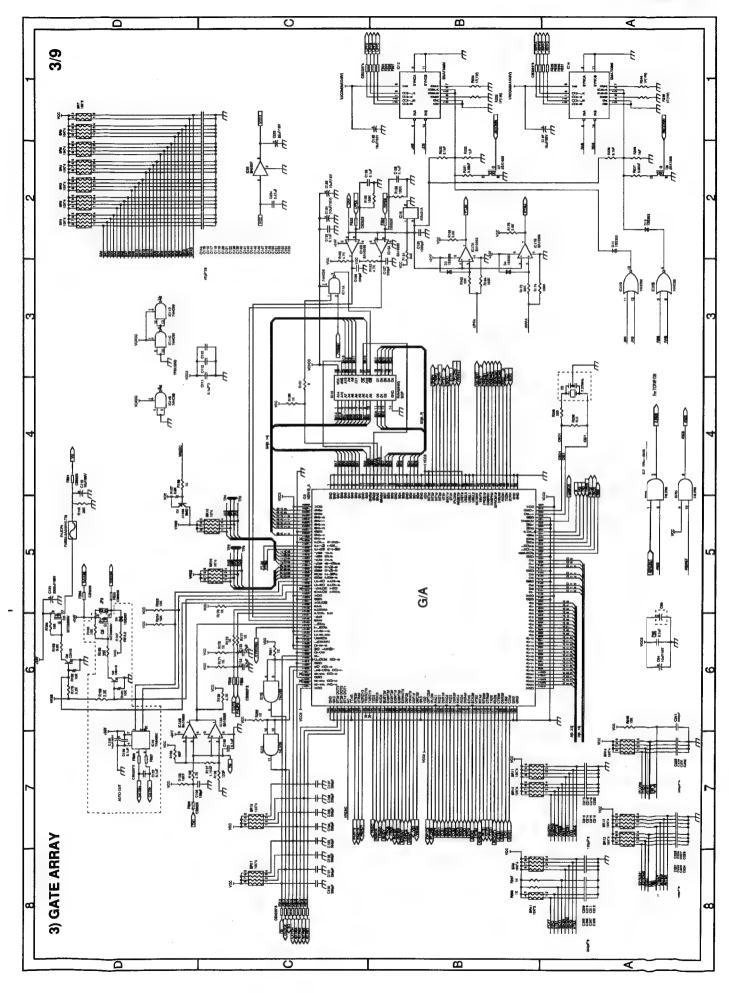




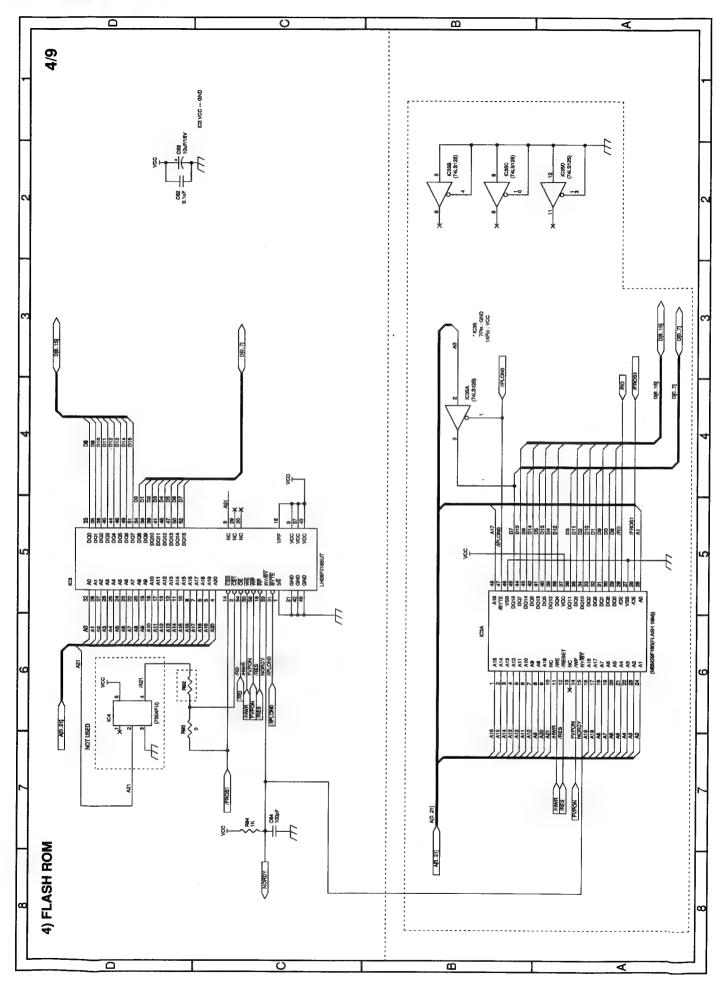




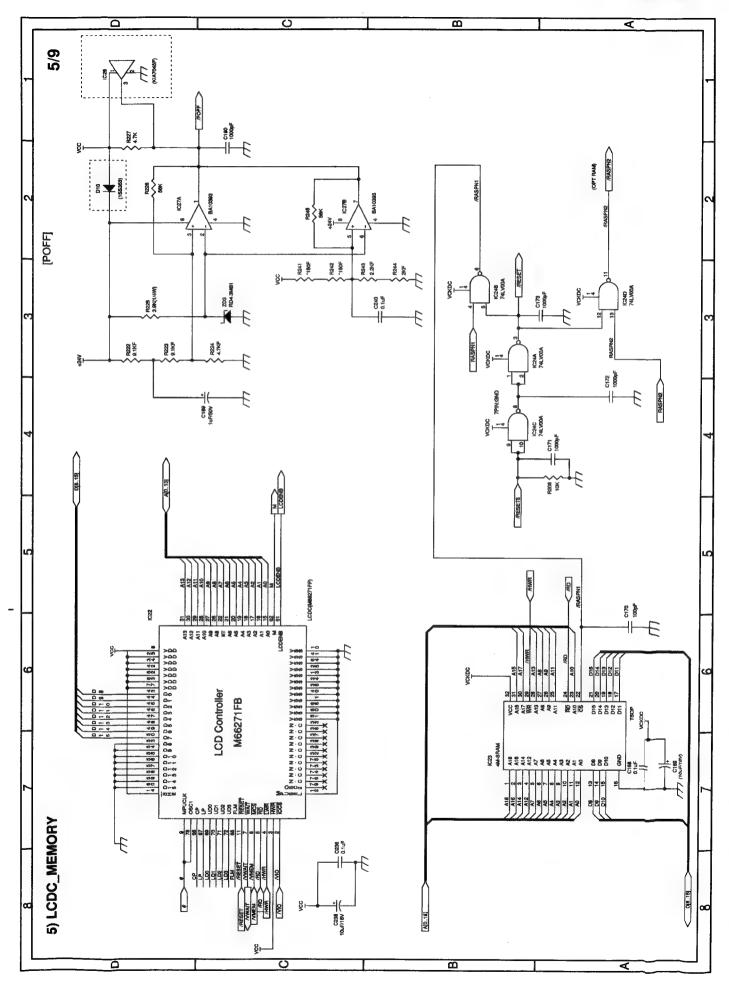




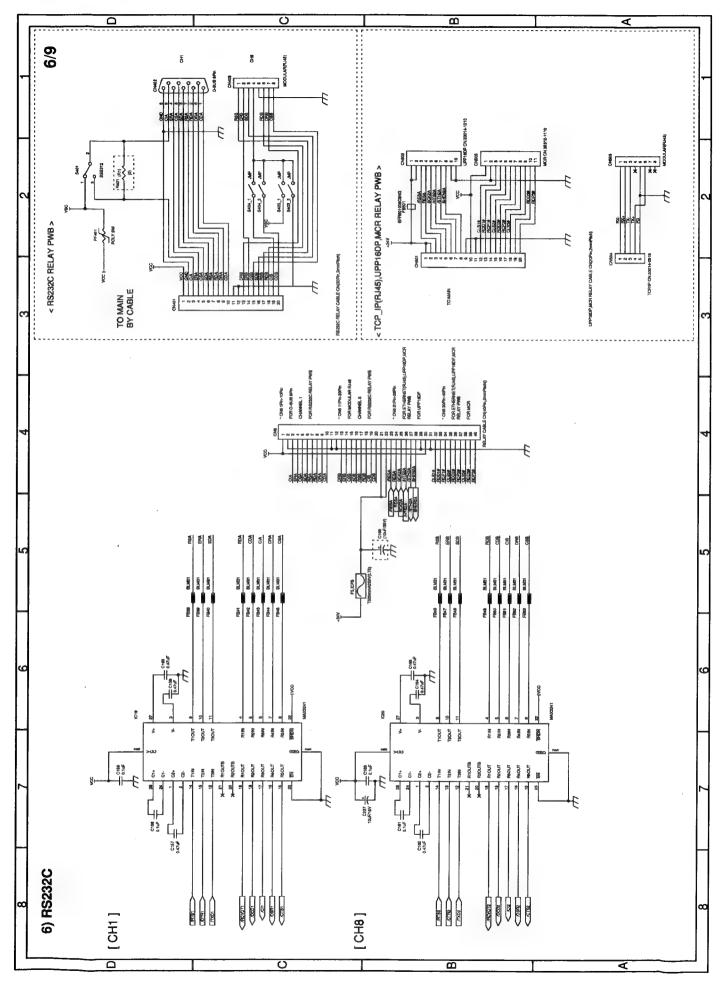




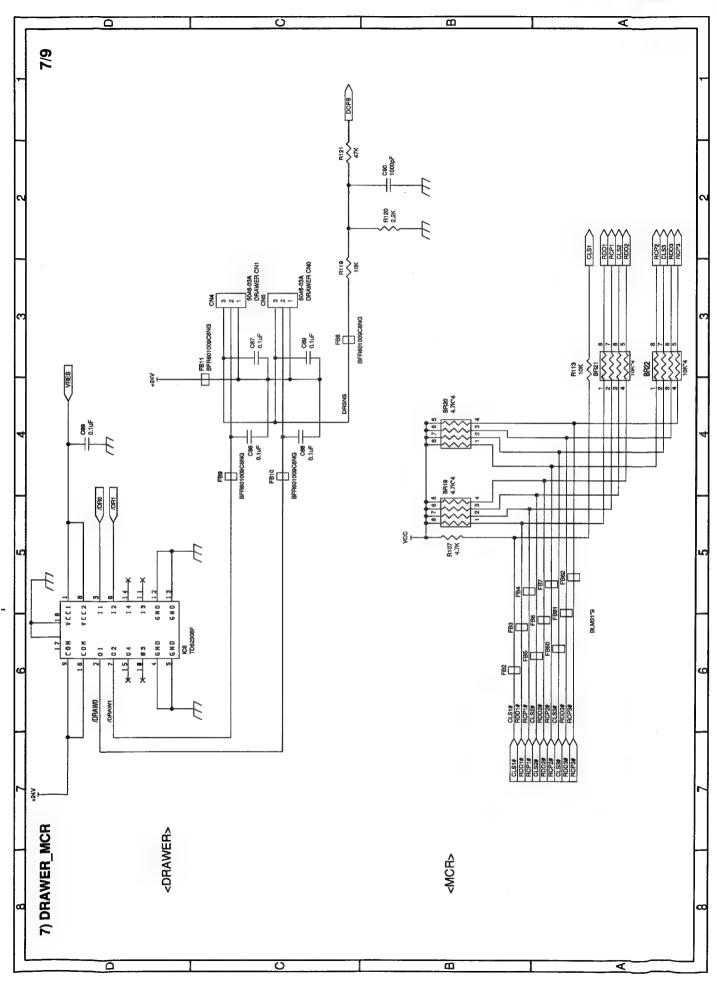




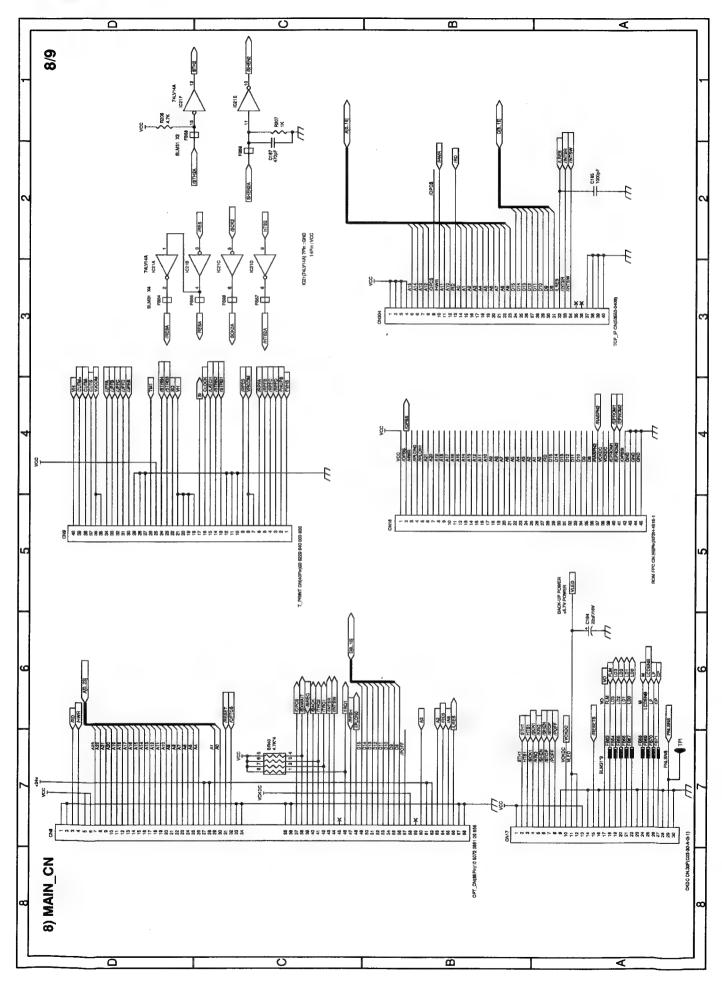




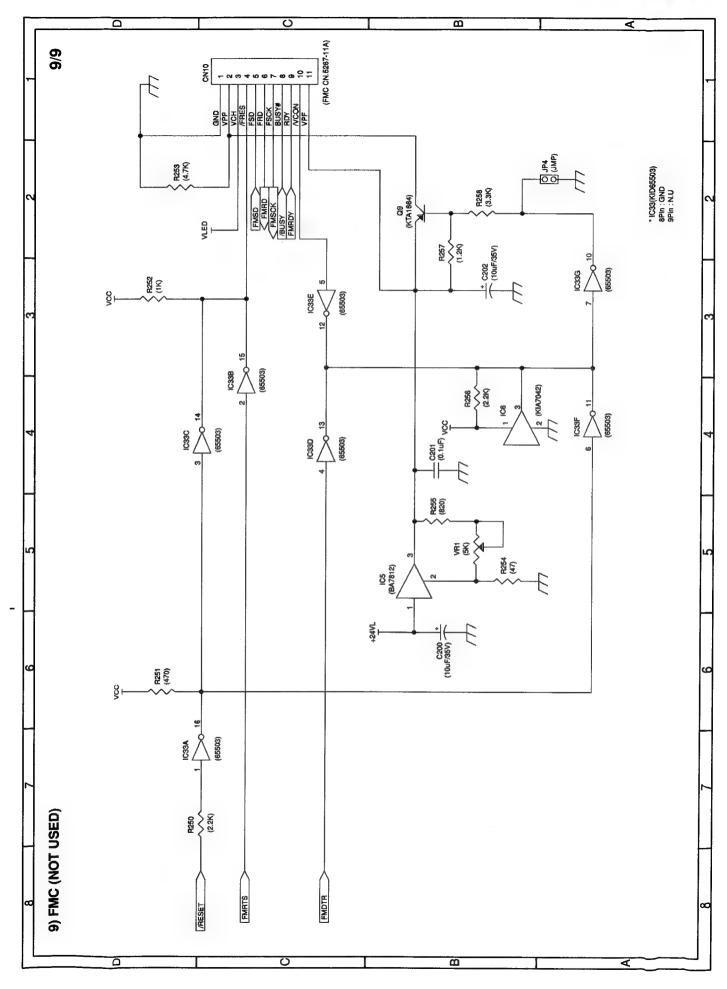




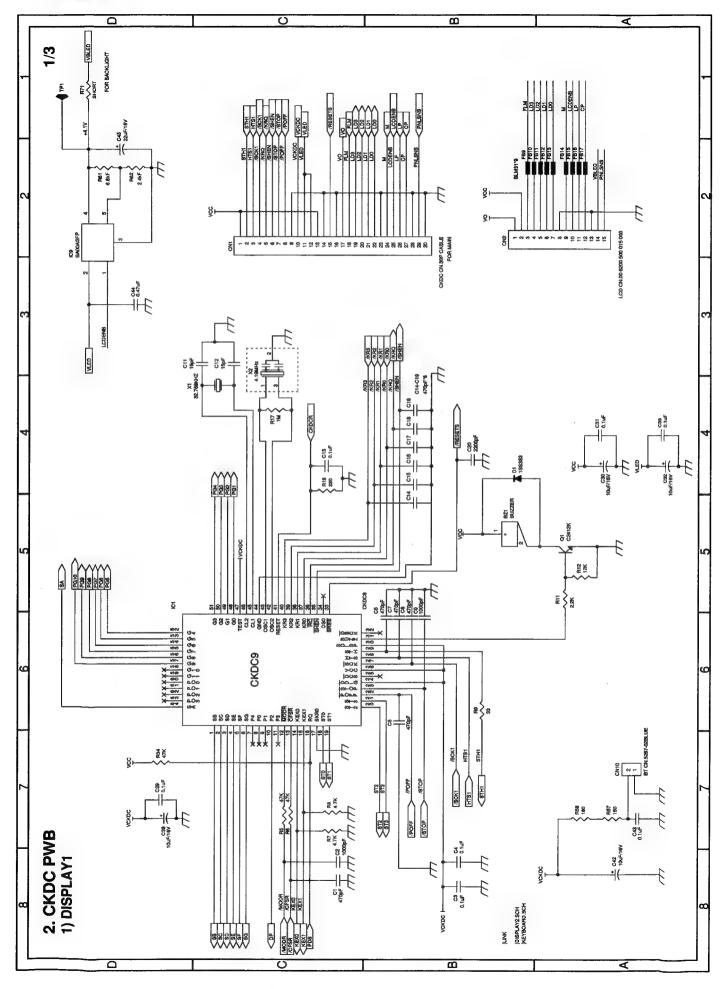




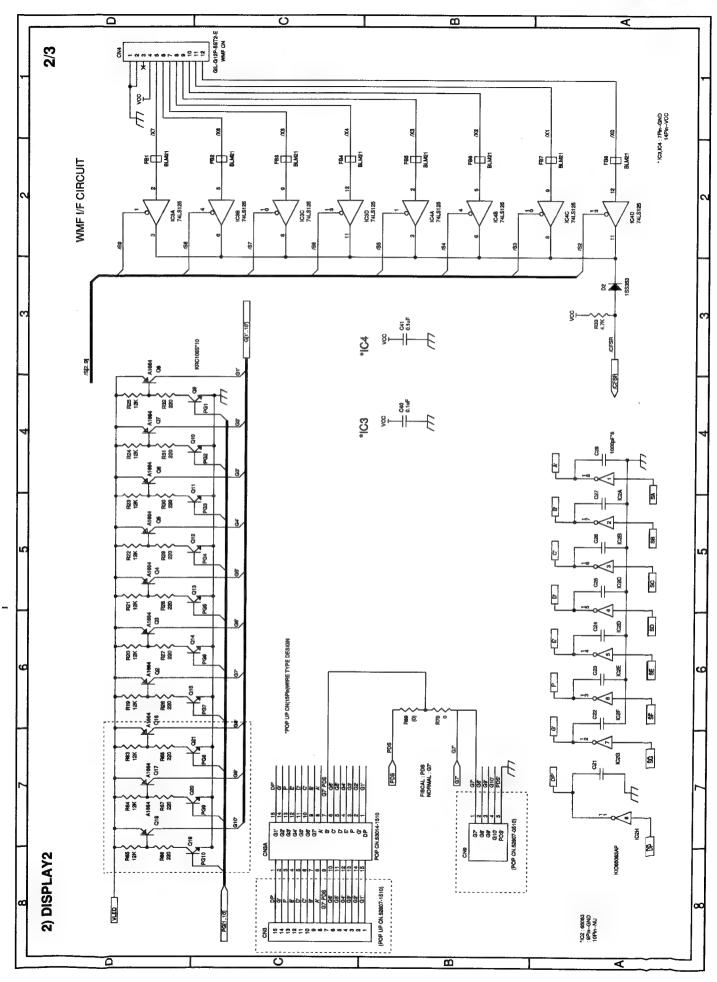




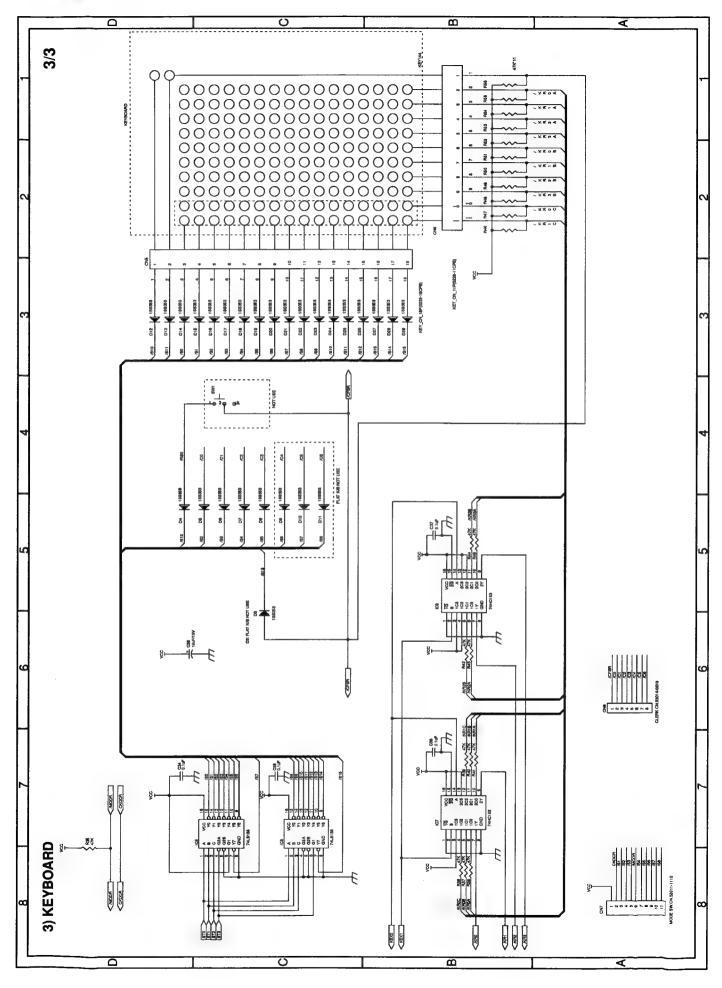




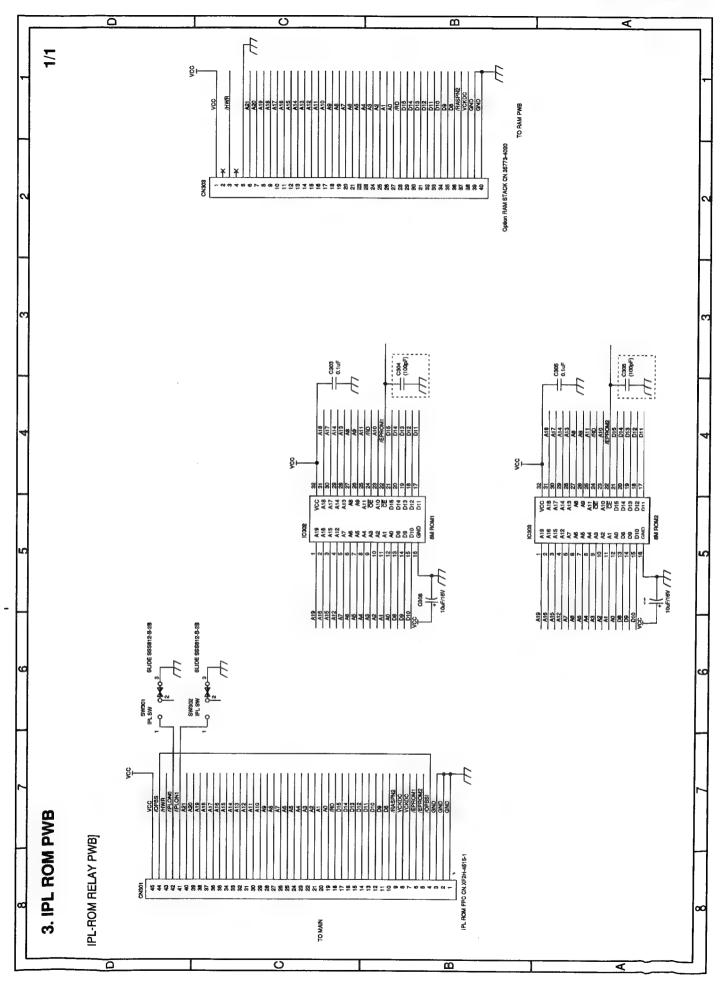




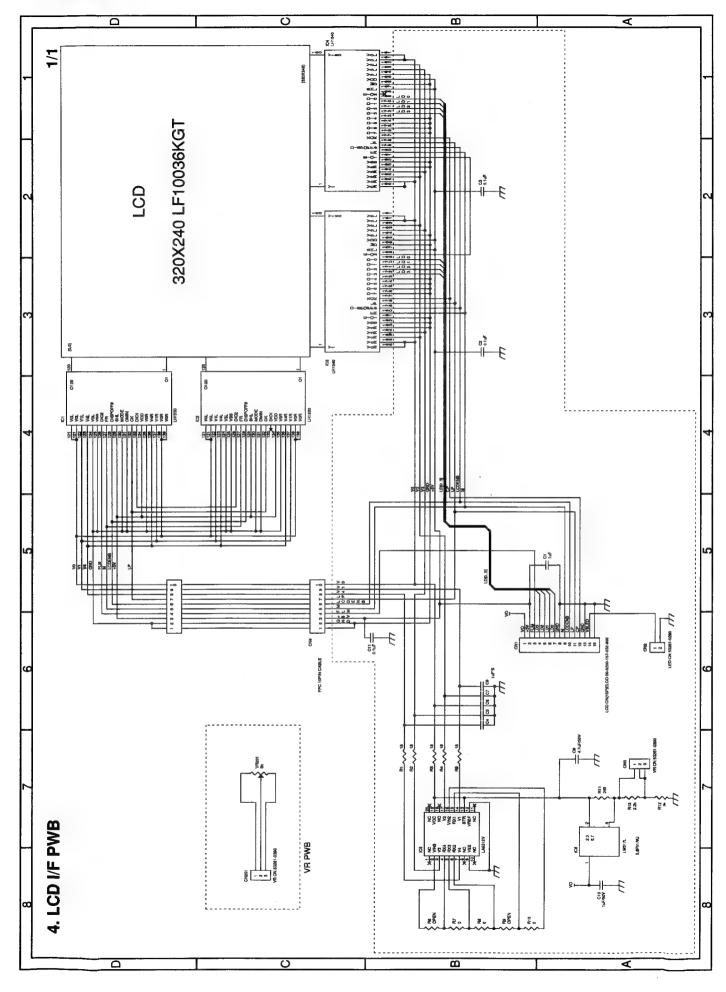




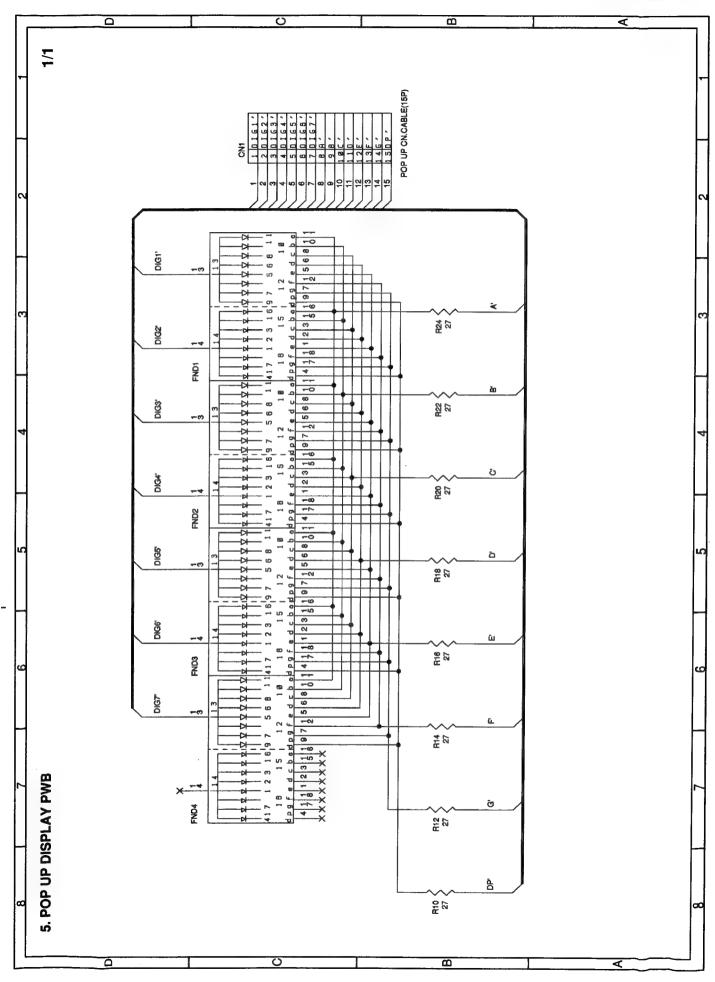








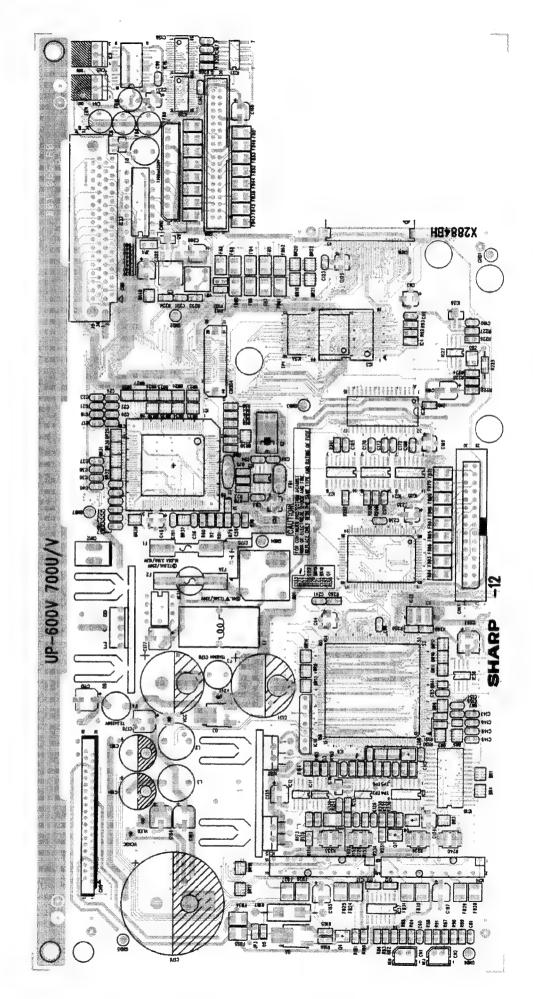


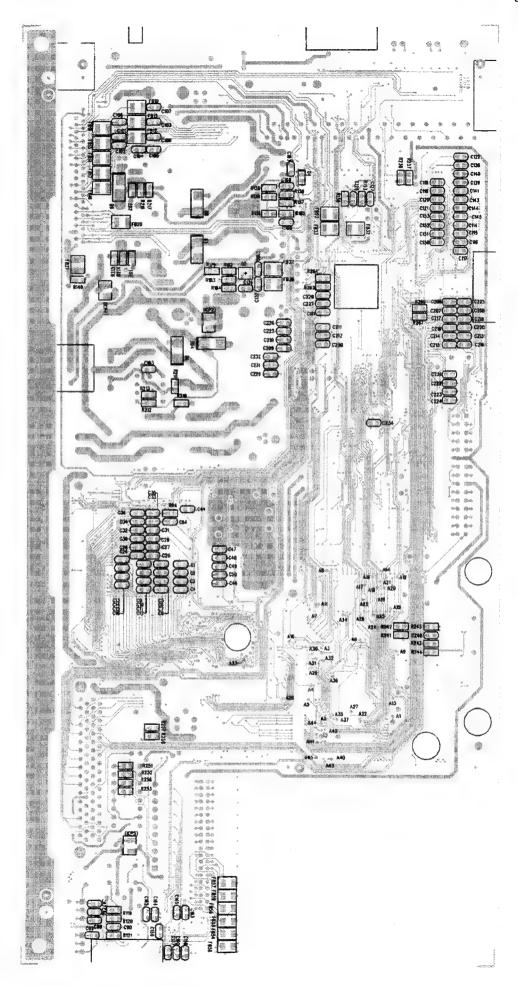




CHAPTER 8. PWB LAYOUT 1. MAIN PWB

1) A side

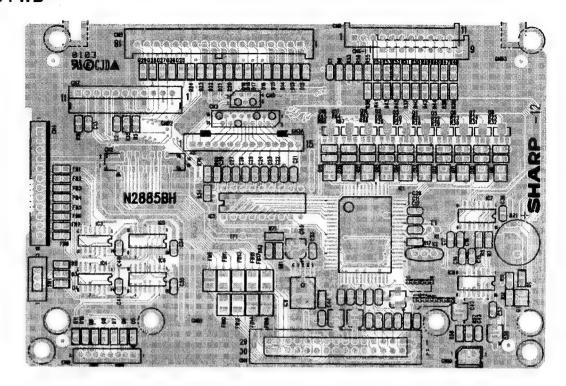




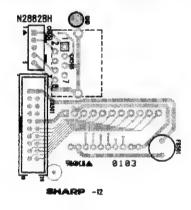
2) B side



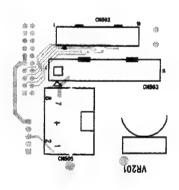
2. CKDC PWB



3. DISPLY & MCR PWB 1) A side

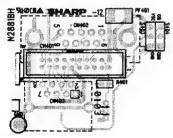


2) B side



4. RS232 RELAY PWB 1) A side





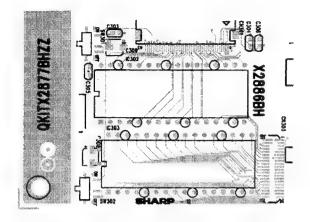
2) B side

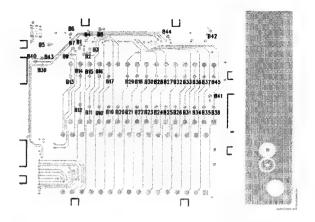




5. IPL ROM PWB 1) A side

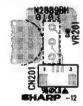
2) B side





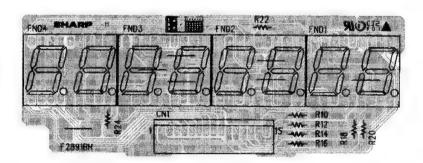
6.TCP/IP RELAY PWB

7. VR PWB

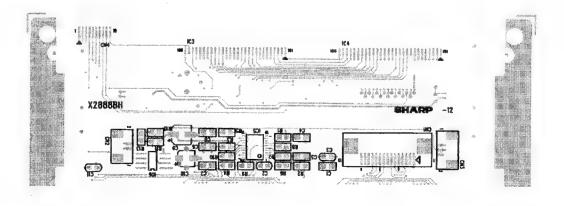




8. POP UP DISPLY



9. LCD I/F PWB







SHARP PARTS GUIDE

UP-600 MODEL UP-700

PRINTER:PR-58HA SRV key:LKGIM7113BHZZ (for TQ,TS,KA,KB)

CONTENTS

- Top cabinet etc.(UP-600)
- 2 Top cabinet etc.(UP-700)
- 3 Bottom cabinet etc.
- 4 Drawer box unit(SK423 type)[for KA,KB]
- 5 Packing material & Accessories
- 6 Main PWB unit
- 7 IPL PWB unit
- 8 CKDC PWB unit
- 9 RS232C PWB unit

- 10 MCR pole PWB unit
- 11 Pop up PWB unit
- 12 LCD HS unit
- 13 Volume PWB unit
- 14 Articles for copnsumption
- 15 Service options & Service tools
- Index

Parts marked with "A" are important for maintaining the safety of the set.Be sure replace these parts with specified ones for maintaining the safety and performance of the set.

Table of destinations

SELECTION CODE	COUNTRIES
U	U.S.A., Guam
Α	Canada
TS	Germany
TQ	SEEG territory other than Germany (Stamp:English)
TR	SEEG territory other than Germany (Stamp:English)
ТМ	SEEG(FRANCE:Metro-VM) (Stamp:French)
KB	U.Kingdom
KA	Australia

SELECTION CODE	COUNTRIES
K	Korea

SELECTION CODE	COUNTRIES
SB	Saudi Arabia (127V area)
SBA	Saudi Arabia (220V area)
SC	Taiwan
SD	Venezuela
SE	Hong Kong
SG	Lebanon, Syria, Greece, Pakistan, Iran, Egypt, Thailand, Iraq, Mauritius, Seychelles, Tahiti, Jordan, Sudan, Turkey
SH	South Africa (U.S.A. version)
SHE	South Africa (Europe version)
SJ	Philippines (Europe version)
SJ2	Philippines (U.S.A. version)
SM	Kuwait, Qatar, Oman, UAE, Malta, Bahrain
SMT	Nigeria, Yemen, Kenya

SELECTION CODE	COUNTRIES
RA1	Morocco, Algeria, Tunisia, West Africa
RA2	Chile, Uruguay, Peru, Argentina, Paraguay
RA5	Sri Lanka

SELECTION	COUNTRIES	
CODE		
RB3	Indonesia	
RB4		
RB5	Cyprus	
RB6	Panama	
RB7	Barbados	
RB8	Malaysia (U.S.A. version)	

SELECTION	COUNTRIES	
CODE		
RC1	Malaysia (Europe vesion)	
RC2	Singapore	
RC5	Dominican Republic, Ecuador	



UP-600V UP-700V 1 Top cabinet etc.(UP-600)

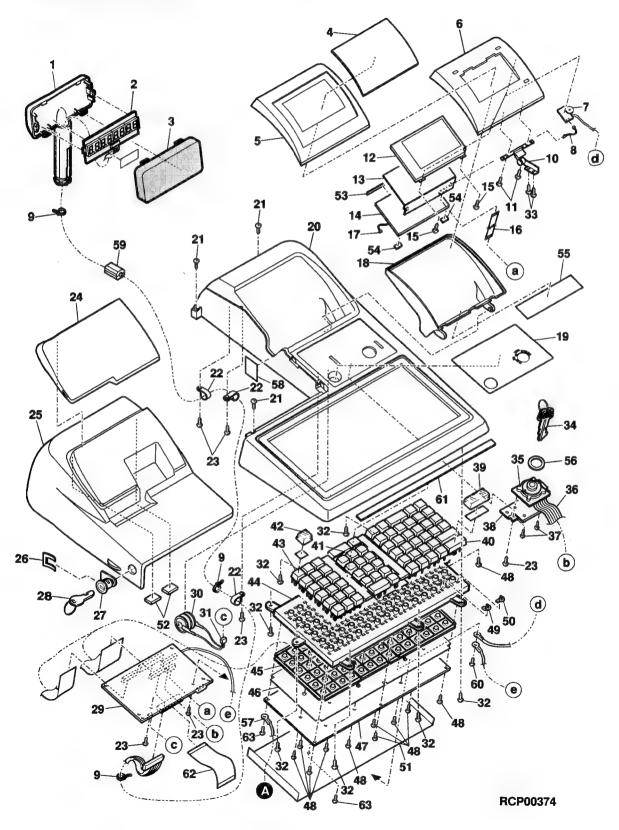
	op cabinet etc.(L	PRICE	NEW	PART	DECORIDATION
NO.	PARTS CODE	RANK	MARK	RANK	DESCRIPTION
	GCABB7861BHZZ CPWBF2891BH01	BR	N	D E	Pop up cabinet Pop up PWB unit
	PFILW6961BHZZ	AP	- IN	D	Pop up filter
	HPNLH2483BHZZ	AW	N	D	LCD panel
	PF i LW 2008 BHZZ	AS	N	D	LCD filter
	GCABF2560BHZZ CPWBN2889BH01	AQ BF	N N	D E	LCD front cabinet Volume PWB unit
	QCNW-3119BHZZ	AL	N	C	Volume cable
	LBNDJ2003SCZZ	AA	-"	C	Cable band
	MHNG-2327BHZA	AX	N	С	LCD hinge
	XUPSD40P08000	AA		C	Screw (4×8)
	LANGK2898BHZZ DUNTK4234BHZZ	AM BW	N N	E	LCD angle LCD H/S PWB unit
14	RLMPY2000RCZZ	BF	N	В	LED backlight
15	XJSSD30P08000	AA		С	Screw (3×8)
	QCNW-3133BHZZ	AK	N	C	Flat cable (15Pin)(1mmPitch)
	QCNW-3118BHZZ GCABR2561BHZA	AG AS	N N	D	LED backlight cable LCD rear cabinet
	HPNLC6829BHSA	AM	N	D	Deco panel
	GCABB2558BHZA	BE	N	D	Top cabinet
	XBBSC30P06000	AA		C	Screw (3×6)
	LHLDW0008SCZZ XEBSD30P08000	AA		C	Cable holder (HP-5N) Screw (3×8)
	PFILW2006BHZZ	AU	N	D	Journal filter
25	GCOVA2514BHZA	BA	N	D	Printer cover
26	MSPRK6730BHZZ	AC		С	Lock spring
27	LKGIW7355BHZB LKGIW7355BHZZ	BB	N	B	Lock(body) (Until Feb. 2001 production.)[TQ,TS,KB]
28	LKGIM7356BHZZ	AX AK		В	Lock(body) (From Mar. 2001 production.) Printer cover lock key
	CPWBN2885BH01	BS	N	Ē	CKDC PWB unit [include No.62]
	UBATZ6661BHZZ	BA		В	Battery (Ni-MH)
	QCNW-7880BHZZ	AF	ļ	C	Battery cable
	XEBSD30P10000 XUBSD40P10000	AA	-	C	Screw (3×10) Screw (4×10)
33	LKGIM7110BHZZ	AE		В	MA key (MA)
34	LKGIM7111BHZZ	AE		В	OP key (OP)
L	LKGIM7129BHZZ	AE		В	SM key (SM)
	LKGIW0001BHZA QCNW-3117BHZZ	AS AG	N	B C	Mode sw(body) Mode sw cable
	XUPSD23P08000	AA	IN	č	Screw (2.3×8)
38	LANGT7582BHZZ	AL		С	Mode SW angle
	JKNBZ6899BHSA	AK		C	Key cap (1×2)
40	JK N B Z 6 8 9 8 B H Z Z JK N B Z 6 9 0 8 B H Z Z	AH AK		C	Key top (1×2) Key top (.)
	JKNBZ6909BHZZ	AK		c	Key top (X)
	JKNBZ6911BHZZ	AK		С	Key top (1)
	JKNBZ6912BHZZ	AK		C	Key top (2)
	JKNBZ6913BHZZ JKNBZ6914BHZZ	AK AK	-	C	Key top (3) Key top (4)
	JKNBZ6915BHZZ	AK		č	Key top (5)
41	JKNBZ6916BHZZ	AK		С	Key top (6)
	JKNBZ6917BHZZ	AK		С	Key top (7)
	JKNBZ6918BHZZ JKNBZ6919BHZZ	AK		C	Key top (8)
	JKNBZ6905BHZZ	AK AF	-	C	Key top (9) Key top (0)
	JKNBZ6920BHZZ	AK		C	Key top (00)
	JKNBZ6906BHZZ	AK		С	Key top (000)
40	JKNBZ6907BHZZ JKNBZ6897BHSA	AK AH		C	Key top (CL)
	JKNBZ6896BHZA	AG		C	Key cap (1×1) Key top (1×1)
44	LFRM-6697BHZZ	BA		D	Key frame
	PGUMM6724BHZZ	AY		С	Key rubber
	CSHEP6833BH01	BA		C	Key sheet unit
	XEBSD30P06000	AV		C	Base plate Screw (3×6)
49	LHLDZ6837BHZZ	AE		Č	Holder L (YELLOW)
50	LHLDZ6836BHZZ	AE		С	Holder R (WHITE)
	PSHEP2925BHZZ	AR	N	С	Water sheeet
52	PSHEP2928BHZZ PCUSS2420BHZZ	AF AF	N N	C	Printer cover sheet LCD cushion
	PCUSS2420BHZZ	AC	N	c	LCD cushion (S)
55	PSHEP2937BHZZ	AG	N	č	LCD rear sheet
	PCUSS2421BHZZ	AC	N	С	Mode sw cushion
	QC NW-3137BHZZ PSHEP2938BHZZ	AE	N N	C	Earth wire Water cheet (S) (Until Ech 2001 production)
	RCORF6700BHZZ	AE AS	N	C	Water sheet (S) (Until Feb. 2001 production.) Core (BNF-14)
	XJPSD30P08000	AA		C	Screw (3×8)
	PCUSS2419BHZZ	AH	N	С	Keyboard cushion
	QCNW-3114BHZZ	AX	N	C	CKDC CN.cable (30Pin) [CN1]
L 63	XJPSD30P06000	AA		С	Screw (3x6)



1 Top cabinet etc.(UP-600)

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK		DESCRIPTION
	TLABH2545BHZZ	AX	N	D	Key label	
501	Ki-ŌK2368BHZZ	BN	N	Е	Keyboard (NORMAL)	[include No.39~50,101]
	DUNT-1817BHZA	BE	N	E	Lock key unit (Printer)	(Until Feb. 2001 production.)(include No.26~27) [TQ,TS,KB]
	DUNT-1817BHZZ	AY		E	Lock key unit (Printer)	(From Mar. 2001 production.)(include No.26~27)

1 Top cabinet etc.(UP-600)



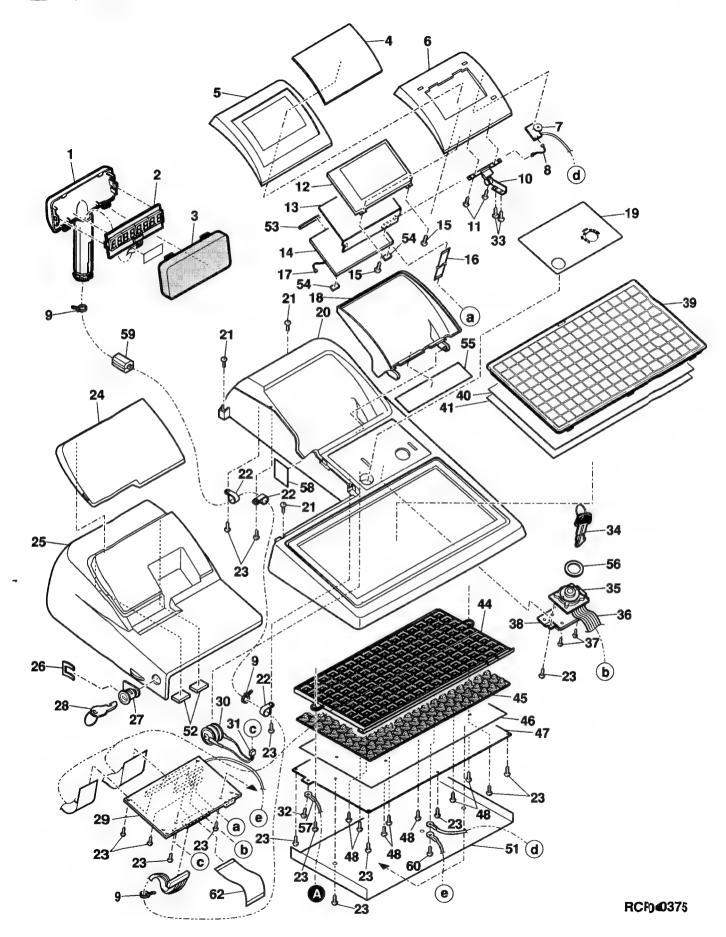


UP-600V UP-700V 2 Top cabinet etc.(UP-700)

2	op cabinet etc.(L	JP-7U	U)		
NO.	PARTS CODE	PRICE	NEW	PART	DESCRIPTION
		RANK	MARK	RANK	
	GCABB7861BHZZ CPWBF2891BH01	BR	N1	D E	Pop up cabinet Pop up PWB unit
	PFILW6961BHZZ	AP	N	D -	Pop up filter
	HPNLH2483BHZZ	AW	N	D	LCD panel
	PF i LW2008BHZZ	AS	N	D	LCD filter
	GCABF2560BHZZ	AQ	N	D	LCD front cabinet
	CPWBN2889BH01	BF	N	E	Volume PWB unit
			N		
	QCNW-3119BHZZ LBNDJ2003SCZZ	AL	IN.	C	Volume cable
		AA		C	Cable band
	MHNG-2327BHZA XUPSD40P08000	AX	N	C	LCD hinge
	LANGK2898BHZZ	AA		C	Screw (4×8)
	DUNTK4234BHZZ	AM	N	C	LCD angle LCD H/S PWB unit
		BW	N	E	
	RLMPY2000RCZZ	BF	N	В	LED backlight
	XJSSD30P08000	AA		C	Screw (3x8)
	QCNW-3133BHZZ	AK	N	C	Flat cable (15Pin)(1mmPitch)
	QCNW-3118BHZZ GCABR2561BHZA	AG AS	N	C	LED backlight cable
			N		LCD rear cabinet
	HPNLC6829BHSB	AM	N	D	Deco panel
	GCABB2559BHZA	BD	N	D	Top cabinet
	XBBSC30P06000	AA		C	Screw (3×6)
22	LHLDW0008SCZZ	AA		C	Cable holder (HP-5N)
	XEBSD30P08000	AA	A1	C	Screw (3×8)
	PFILW2006BHZZ	AU	N N	D	Journal filter
	GCOVA2514BHZA	BA	N	D	Printer cover
26	MSPRK6730BHZZ	AC		C	Lock spring
27	LKGIW7355BHZB	BB	N	В	Lock(body) (Until Feb. 2001 production.)[TQ,TS,KB]
	LKGIW7355BHZZ	AX		В	Lock(body) (From Mar. 2001 production.)
	LKGIM7356BHZZ	AK		В	Printer cover lock key
	CPWBN2885BH02	BS	N	E	CKDC PWB unit [include No.62]
	UBATZ6661BHZZ	BA		В	Battery (Ni-MH)
	QCNW-7880BHZZ	AF		C	Battery cable
	XHBSD30P04000	AA		С	Screw (3×4)
33	XUBSD40P10000	AA		C	Screw (4×10)
	LKGIM7110BHZZ	AE		В	MA key (MA)
34	LKGIM7111BHZZ	AE		В	OP key (OP)
	LKGiM7129BHZZ	AE		В	SM key (SM)
	LKG:W0001BHZA	AS		В	Mode sw(body)
	QCNW-3117BHZZ	AG	N	С	Mode sw cable
	XUPSD23P08000	AA_		С	Screw (2.3×8)
	LANGT7582BHZZ	AL		С	Mode SW angle
	GCOVB2517BHZZ	BC	N	D	Flat keycover A
	PSHEK2926BHZA	AQ	N	С	Normal key sheet
	PSHEK2927BHZA	AG	N	C	Character key sheet
	LFRM-2363BHZA	AX	N	D	Key frame
	PGUMM2442BHZZ	BA	N_	С	Key rubber
	PSHEP2923BHZZ	BB	N	С	Key sheet unit
	LPLTM2363BHZZ	AU	N	С	Base plate
	XUBSD23P06000	AA	N	С	Screw (2.3×6) [for FLAT KEY]
51	PSHEP2934BHZZ	AU	N	С	Water sheet
	PSHEP2928BHZZ	AF	N	С	Printer cover sheet
	PCUSS2420BHZZ	AF	N	С	LCD cushion
	PCUSS2422BHZZ	AC	N	С	LCD cushion (S)
	PSHEP2937BHZZ	AG	N	С	LCD rear sheet
	PCUSS2421BHZZ	AC	N	С	Mode sw cushion
	QCNW-3137BHZZ	AE	N	С	Earth wire
	PSHEP2938BHZZ	AE	N	С	Water sheet (S) (Until Feb. 2001 production.)
59	RCORF6700BHZZ	AS		С	Core (BNF-14)
	XJPSD30P08000	AA		С	Screw (3×8)
62	QCNW-3114BHZZ	AX	N	С	CKDC CN.cable (30Pin) [CN1]
	Ki-ÖK2012BHZA	BK	N	E	Keyboard (FLAT) [include No.44~48]
	DUNT-1817BHZA	BE	N	E	Lock key unit (Printer) (Until Feb. 2001 production.)(include No.26-27)
502			IN	_ =	[TQ,TS,KB]
	DUNT-1817BHZZ	AY		E	Lock key unit (Printer) (From Mar. 2001 production.)(include No.26-27)
			l		
L		1	l		
<u> </u>					



2 Top cabinet etc.(UP-700)



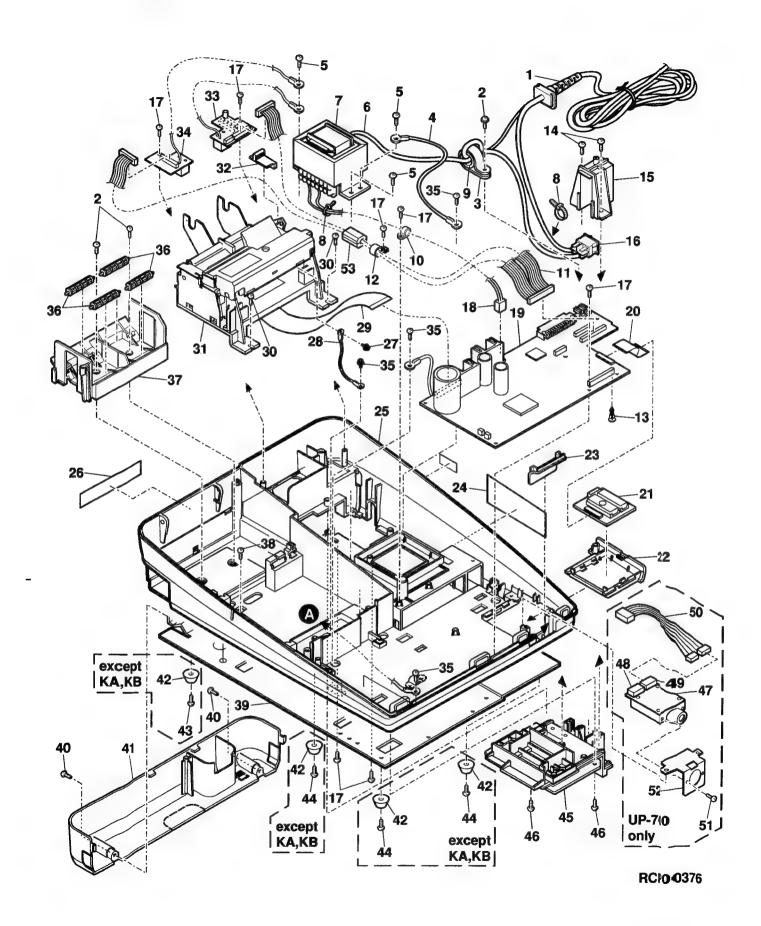


UP-600V UP-700V 3 Bottom cabinet etc.

[TQ,
[
ſ
ſ
ſΤQ,
[KA,
[UP-6
[UP-7
ſΤQ,
1 04,
[UP-7
[UP-7
[UP-7
JUP-7
_[UP-7
[UP-7
-



3 Bottom cabinet etc.



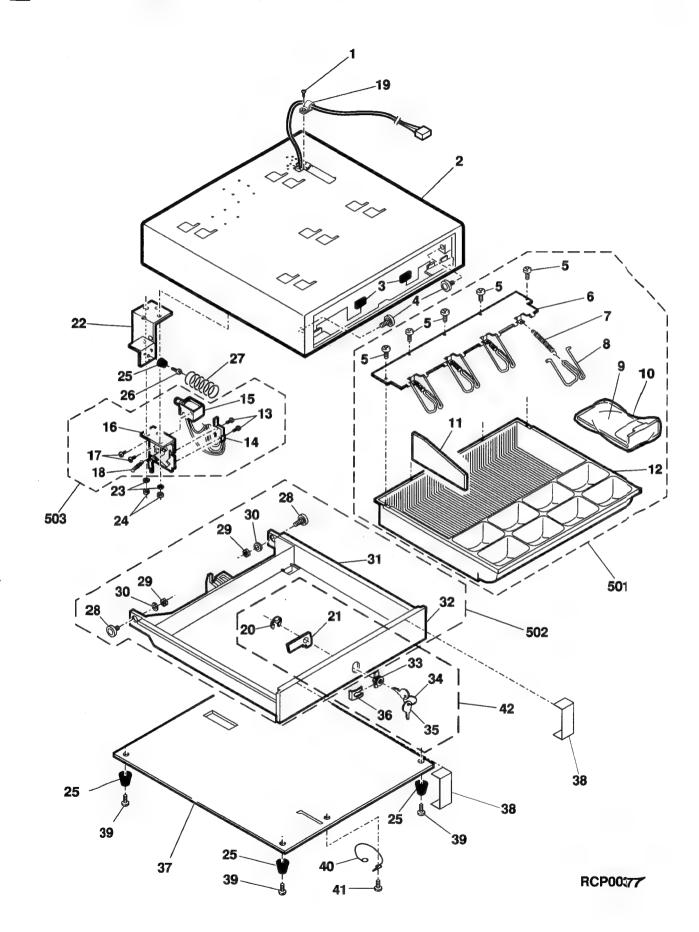


UP-600V UP-700V 4 Drawer box unit(SK423 type)[for KA,KB]

4	Drawer box unit(S	N423	type)[IOI	(A,RD)
NO.	PARTS CODE	PRICE	NEW	PART	DESCRIPTION
	XHBSD30P06000	RANK	MARK	RANK	Screw (3×6)
	CCABM2563BHZZ	BK	N	D	Cabinet frame unit
	PGUMM6695BHZZ	AE		C	Stopper gum
	NRÖLP6650BHZZ	AP		С	Roller
5	XUBSD30P08000	AA		С	Screw (3×8)
	LBRC-6663BHZZ	AQ		C	Bill bracket
	MSPRT6714BHZZ MLEVF6695BHZZ	AE AK		C	Bill spring Bill lever
	PSKR-6629BHZZ	AL		c	Bill separator
	SSAKA5004CCZZ	AA		Ď	Vinyl bag (100×300mm)
	PSKR-6628BHZZ	AG		С	Separator
	GCAS-6678BHZZ	BC		D	Money case (4B/8C)
	LX-BZ6776BHZZ QSW-M6872BHZZ	AA		C B	Screw Micro switch
	CPLU-6641BH06	AY	N	В	Solenoid+ Drawer cable
	CFRM-6683BH01	AW		D	Lock frame unit
	LX-BZ6775BHZZ	AA		С	Screw (3×5)
	MSPRT6713BHZZ	AD		С	Open lever spring
19	LHLDW0024BHZZ XRESJ50-06000	AG		C	Clamp (3N)
	MCAMM6633BHZA	AA		C	E type ring (5mm) Lock cam
	LFRM-6682BHZZ	AN		D	Bell frame
23	XWSSD40-10000	AA		С	Washer
24	XNESD40-32000	AA		С	Nut (M4)
	PGUMM6696BHZZ XHBSD30P12000	AE	-	C	Gum leg Screw (3×12)
20	MSPRC6712BHZZ	AA AF	 	C	Screw (3×12) Push out spring
	NROLP6650BHZZ	AP		Č	Roller
29	XNESD60-50000	AA		С	Nut (M6)
	XWSSD60-15000	AA		С	Washer (6mm)
	GDRW-6678BHZZ GCOVA7146BHZZ	BF AV		D	Drawer case frame unit
32	LKGIW7330BHZZ	AY		D B	Front cover Lock key (body)
34	PRNGT6637BHZZ	AA		C	Key ring
35	LKG IM7331BHZZ	AE		В	Lock key (1pc)
36	MSPRK6718BHZZ	AF		С	Lock key spring
37	LPLTM6674BHZC SPAKA8255BHZZ	AY		C	Bottom plate
30	XHBSD40P15000	AC		D C	Paper pad Screw (4×15)
40	MSPRB6711BHZZ	AD		c	Earth spring
41	XHPSC30P08000	AA		С	Screw (3×8)
		1 6 1/2		E	Lock key unit
	DUNT-1306BHZA	AX	-		
501	CCAS-6678BH01	BF		Е	Money case unit
501 502	CCAS-6678BH01 GDRW-6684BHZZ	BF BH	N	E	Money case unit Drawer case unit
501 502 503	CCAS-6678BH01	BF	N	Е	Money case unit
501 502 503 504	CCAS-6678BH01 GDRW-6684BHZZ CLÖK-6683BH08 CFRM-6682BH02 (Unit)	BF BH BK AQ		E E E	Money case unit Drawer case unit Lock unit Bell frame unit
501 502 503 504	CCAS-6678BH01 GDRW-6684BHZZ CLOK-6683BH08 CFRM-6682BH02	BF BH BK	N	E	Money case unit Drawer case unit Lock unit
501 502 503 504	CCAS-6678BH01 GDRW-6684BHZZ CLÖK-6683BH08 CFRM-6682BH02 (Unit)	BF BH BK AQ		E E E	Money case unit Drawer case unit Lock unit Bell frame unit
501 502 503 504	CCAS-6678BH01 GDRW-6684BHZZ CLÖK-6683BH08 CFRM-6682BH02 (Unit)	BF BH BK AQ		E E E	Money case unit Drawer case unit Lock unit Bell frame unit
501 502 503 504	CCAS-6678BH01 GDRW-6684BHZZ CLÖK-6683BH08 CFRM-6682BH02 (Unit)	BF BH BK AQ		E E E	Money case unit Drawer case unit Lock unit Bell frame unit
501 502 503 504	CCAS-6678BH01 GDRW-6684BHZZ CLÖK-6683BH08 CFRM-6682BH02 (Unit)	BF BH BK AQ		E E E	Money case unit Drawer case unit Lock unit Bell frame unit
501 502 503 504	CCAS-6678BH01 GDRW-6684BHZZ CLÖK-6683BH08 CFRM-6682BH02 (Unit)	BF BH BK AQ		E E E	Money case unit Drawer case unit Lock unit Bell frame unit
501 502 503 504	CCAS-6678BH01 GDRW-6684BHZZ CLÖK-6683BH08 CFRM-6682BH02 (Unit)	BF BH BK AQ		E E E	Money case unit Drawer case unit Lock unit Bell frame unit
501 502 503 504	CCAS-6678BH01 GDRW-6684BHZZ CLÖK-6683BH08 CFRM-6682BH02 (Unit)	BF BH BK AQ		E E E	Money case unit Drawer case unit Lock unit Bell frame unit
501 502 503 504	CCAS-6678BH01 GDRW-6684BHZZ CLÖK-6683BH08 CFRM-6682BH02 (Unit)	BF BH BK AQ		E E E	Money case unit Drawer case unit Lock unit Bell frame unit
501 502 503 504	CCAS-6678BH01 GDRW-6684BHZZ CLÖK-6683BH08 CFRM-6682BH02 (Unit)	BF BH BK AQ		E E E	Money case unit Drawer case unit Lock unit Bell frame unit
501 502 503 504	CCAS-6678BH01 GDRW-6684BHZZ CLÖK-6683BH08 CFRM-6682BH02 (Unit)	BF BH BK AQ		E E E	Money case unit Drawer case unit Lock unit Bell frame unit
501 502 503 504	CCAS-6678BH01 GDRW-6684BHZZ CLÖK-6683BH08 CFRM-6682BH02 (Unit)	BF BH BK AQ		E E E	Money case unit Drawer case unit Lock unit Bell frame unit
501 502 503 504	CCAS-6678BH01 GDRW-6684BHZZ CLÖK-6683BH08 CFRM-6682BH02 (Unit)	BF BH BK AQ		E E E	Money case unit Drawer case unit Lock unit Bell frame unit
501 502 503 504	CCAS-6678BH01 GDRW-6684BHZZ CLÖK-6683BH08 CFRM-6682BH02 (Unit)	BF BH BK AQ		E E E	Money case unit Drawer case unit Lock unit Bell frame unit
501 502 503 504	CCAS-6678BH01 GDRW-6684BHZZ CLÖK-6683BH08 CFRM-6682BH02 (Unit)	BF BH BK AQ		E E E	Money case unit Drawer case unit Lock unit Bell frame unit
501 502 503 504	CCAS-6678BH01 GDRW-6684BHZZ CLÖK-6683BH08 CFRM-6682BH02 (Unit)	BF BH BK AQ		E E E	Money case unit Drawer case unit Lock unit Bell frame unit
501 502 503 504	CCAS-6678BH01 GDRW-6684BHZZ CLÖK-6683BH08 CFRM-6682BH02 (Unit)	BF BH BK AQ		E E E	Money case unit Drawer case unit Lock unit Bell frame unit
501 502 503 504	CCAS-6678BH01 GDRW-6684BHZZ CLÖK-6683BH08 CFRM-6682BH02 (Unit)	BF BH BK AQ		E E E	Money case unit Drawer case unit Lock unit Bell frame unit
501 502 503 504	CCAS-6678BH01 GDRW-6684BHZZ CLÖK-6683BH08 CFRM-6682BH02 (Unit)	BF BH BK AQ		E E E	Money case unit Drawer case unit Lock unit Bell frame unit
501 502 503 504	CCAS-6678BH01 GDRW-6684BHZZ CLÖK-6683BH08 CFRM-6682BH02 (Unit)	BF BH BK AQ		E E E	Money case unit Drawer case unit Lock unit Bell frame unit
501 502 503 504	CCAS-6678BH01 GDRW-6684BHZZ CLÖK-6683BH08 CFRM-6682BH02 (Unit)	BF BH BK AQ		E E E	Money case unit Drawer case unit Lock unit Bell frame unit
501 502 503 504	CCAS-6678BH01 GDRW-6684BHZZ CLÖK-6683BH08 CFRM-6682BH02 (Unit)	BF BH BK AQ		E E E	Money case unit Drawer case unit Lock unit Bell frame unit
501 502 503 504	CCAS-6678BH01 GDRW-6684BHZZ CLÖK-6683BH08 CFRM-6682BH02 (Unit)	BF BH BK AQ		E E E	Money case unit Drawer case unit Lock unit Bell frame unit
501 502 503 504	CCAS-6678BH01 GDRW-6684BHZZ CLÖK-6683BH08 CFRM-6682BH02 (Unit)	BF BH BK AQ		E E E	Money case unit Drawer case unit Lock unit Bell frame unit
501 502 503 504	CCAS-6678BH01 GDRW-6684BHZZ CLÖK-6683BH08 CFRM-6682BH02 (Unit)	BF BH BK AQ		E E E	Money case unit Drawer case unit Lock unit Bell frame unit
501 502 503 504	CCAS-6678BH01 GDRW-6684BHZZ CLÖK-6683BH08 CFRM-6682BH02 (Unit)	BF BH BK AQ		E E E	Money case unit Drawer case unit Lock unit Bell frame unit
501 502 503 504	CCAS-6678BH01 GDRW-6684BHZZ CLÖK-6683BH08 CFRM-6682BH02 (Unit)	BF BH BK AQ		E E E	Money case unit Drawer case unit Lock unit Bell frame unit



4 Drawer box unit(SK423 type)[for KA,KB]

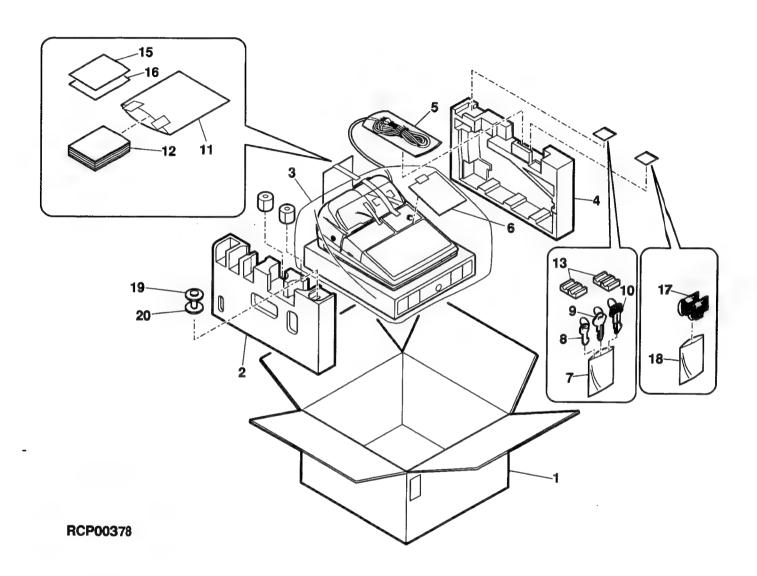




UP-600V UP-700V 5 Packing material & Accessories

	PARTS CODE	PRICE	NEW MARK	PART RANK	DESCRIPTION	
	SPAKC3156BHZZ	AY	N	D	Packing case	[UP-600:TQ,TS
4	SPAKC3156BHSA	AY	N	D	Packing case	[UP-700:TQ,TS
	SPAKC3157BHZZ	BB	N	D	Packing case	[UP-600:KA,KB
	SPAKC3157BHSA	BB	N	D	Packing case	[UP-700:KA,KB
_	SPAKA3154BHZL	AQ	N	D	Packing add L	[TQ,TS
2	SPAKA3159BHZL	AR	N	D	Packing add L	[KA,KE
3	PSHEP6681BHZZ	AF		D	Packing sheet	
	SPAKA3154BHZR	AQ	N	D	Packing add R	[TQ,TS
4	SPAKA3158BHZR	AR	N	D	Packing add R	[KA,KE
5		AA		D	Vinyl bag (140×500mm)	[101,112
6		AC		D	Caution card (Black)	
7	SSAKH3012CCZZ	AA		D	Vinyl bag (80×120mm)	· · · · · · · · · · · · · · · · · · ·
	LKG IM7356BHZZ	AK		В	Printer cover lock key	~·····
	LKG IM7331BHZZ	AE		В	Lock key (1pc)	
	LKG IM7110BHZZ	AE		В	MA key (MA)	
10	LKG IM7111BHZZ	AE		В	OP key (OP)	
	LKGIM7129BHZZ	AE		В	SM key (SM)	
	SSAKH3015CCZZ	AA		D	Vinyl bag (200×300mm)	[KA,KE
11	SSAKH0013HCZZ	AA		D	Vinyl sack	[TQ,TS
	TINSE2445BHZZ	BA	N	D	Instruction book (ENGLISH)	
	TINSG2446BHZZ	BA	N	D	Instruction book (GERMAN)	[UP-600
						[UP-600:TQ,TS
	TINSF2447BHZZ	BA	N	D	Instruction book (FRENCH)	[UP-600:TQ,TS
12	TINSS2448BHZZ	BA	N	D	Instruction book (SPANISH)	[UP-600:TQ,TS
	TINSE2449BHZZ	BA	N	D	Instruction book (ENGLISH)	[UP-700
	TINSG2450BHZZ	BA	N	D	Instruction book (GERMAN)	[UP-700:TQ,T
	TINSF2451BHZZ	BA	N	D	Instruction book (FRENCH)	[UP-700:TQ,TS
	TINSS2452BHZZ	BA	N	D	Instruction book (SPANISH)	[UP-700:TQ,T
13	RCORF6700BHZZ	AS		C	Core (BNF-14)	
	TGANE1001BHZC	AG		D	Warranty card	[K/
16	TCADZ2001BHZA	AM		D	Install card	įK/
	CKG M2421BH01	AR	N	В	Clerk key (1)	[UP-70
	CKG M2421BH02	AR	N	В	Clerk key (2)	[UP-70
	CKG M2421BH03	AR	N	В	Clerk key (3)	UP-70
	CKG M2421BH04	AR	N	В	Clerk key (4)	[UP-70
	CKG M2421BH05	AR	N	В	Clerk key (5)	
	CKG M2421BH06		N	В		[UP-700
47	CKG M2421BH07	AR			Clerk key (6)	[UP-700
17		AR	N	В	Clerk key (7)	[UP-700
	CKG M2421BH08	AR	N	В	Clerk key (8)	[UP-700
	CKG M2421BH09	AR	N	В	Clerk key (9)	[UP-700
	CKG M2421BH10	AR	N	В.	Clerk key (10)	[UP-700
	CKG M2421BH11	AR	N	В	Clerk key (11)	[UP-700
	CKG M2421BH12	AE	N	В	Clerk key (12)	[UP-700
	PRNGT6641BHZZ	AE		С	Key ring	[UP-700
	SSAKA5004CCZZ	AA		D	Vinyl bag	[UP-700
	NGERH2004BHZZ	AM		C	Spool	
20	PG I DH 2394BHZZ	AK		_ C	G/Wheel	
						•
		T				
		1	ļ			
	1	†				

5 Packing material & Accessories





UP-600V UP-700V 6 Main PWB unit

Į	<u>6</u>] N	Main PWB unit				
	NO.	PARTS CODE	PRICE	NEW MARK	PART RANK	DESCRIPTION
ŀ	1	LHLDW2386BHZZ	AD	N	C	Spacer (H=10mm)
ŀ		LX-BZ6644BHZZ	AA		Č	Screw (M3.5×8S) [IC25,32,Q6]
- 1		PRDAF2374BHZA	AM		С	Heat sink [IC25,32]
- [PRDAF6661BHZC	AK	N	С	Heat sink (KTD998) [Q6]
[QCNCM1101BHZZ	AC		С	Connector (5273-2)(2P) [CN12]
Į		QCNCM2896BHZZ	AQ	N	С	Relay connector (40P)(C05-40-A-G-1)(RS232C_MCR,POLE) [CN6]
ļ		QCNCM5278NCZZ	AC		С	Connector (3pin)(5046-03A) [CN4,5]
ŀ		QCNCM7073RC6H	AM		C	Connector (68pin) [CN8] Connector (Printer)(40P)(6229ZiF DIP) [CN9]
		QCNCM7207BH4J QCNCW2879BHZZ	AQ AT	N	C	Connector (Printer)(40P)(6229ZiF DIP) [CN9] ROM FPC Connector (45P)(XF2H-4515-1) [CN16]
ŀ		QCNCM2973BHZZ	AG	N	c	CKDC LCD Connector (30Pin)(C03-30-A-G-1) [CN17]
ı		QCNCW2882BHZZ	AU	N	Č	TCP IP Connector (40Pin)(53553-0409) [CN304]
ı		QCNW-3135BHZZ	AD	N	Ċ	GND wire (100mm) [GND6]
Δ		QFS-C2521TAZZ	AE		Α	Fuse (T2.5AL/250V) [F1]
		QFSHD2109AFZZ	AC		С	Fuse holder (HD2109AF) [F1]
Δ		QFS-K2006BHZZ	AF	N	A	Fuse (LT-5,T2.5A/250V) [F2,4]
4		QFS-K2007BHZZ	AF	N	A	Fuse (LT-5,T500mA/250V) [F5]
$\overline{\Delta}$		QFS-K2008BHZZ RC-EZ106ARC1A	AF AD	N	C	Fuse (LT-5,T2.0A/250V) [F3] Capacitor (10WV 10µF) [C45]
		RC-EZ6881RC1J	AZ		č	Capacitor (63WV 6800µF) [C176]
		RC I L C 2 4 2 4 B H Z Z	AF	N	C	Coil (100µH) [L2]
- 1		RCILC2425BHZZ	AF	N	Č	Coil (220µH) [L3]
	23	RC i L C 6 6 5 3 B H Z Z	AS		С	Choke coil (180µH) [L1]
ı	24	RC LZ 1 0 0 3 BHZZ	AF		С	Dip coil (BFW7550R2) [FB1]
ĺ		RCORF2345BHZZ	AD	N	С	Chip coil (CIM31J601NE) [FB2,3,4,5,6,7,38,39,40,41,42,43,44,45,46,47]
1	25	RCORF2345BHZZ	AD	N	C	Chip coil (CIM31J601NE) [FB48,49,50,51,52,53,60,61,62,63,64,65,66,67]
		RCORF2345BHZZ RCORF2345BHZZ	AD AD	N N	C	Chip coil (CIM31J601NE) [FB54,55,56,57,58,59] Chip coil (CIM31J601NE) [FB68,69,70,71]
- 1	26	RCORF2345BHZZ	AN	14	Č	Ferrite core (BFR601009C8NG) [FB8,9,10,11]
- 1		RCORF7002BHZZ	AE		Č	Chip core (EFCB322513TS) [FB12,13,14,15,16,17,18,19,20,21,23,32,33,36,37]
- 1	27	RCORF7002BHZZ	AE		C	Chip core (EFCB322513TS) [FB22,24,25,26,27,28,29,30,31,34,35]
- 1	28	RCRMZ7004RCZZ	AE		В	Chip resonater (CSTCC 7.37MG) [X3]
	29	RCRSZ2399RCZZ	AL		В	Crystal (19.6608MHz) [X2]
١		RMPTQ2103QCJJ	AA		В	Block resistor (10KΩx2) [BR7,41]
- 1		RMPTQ4101QCJJ	AB		В	Block resistor (1000x4) [BR33,34,35,36]
	32	RMPTQ4102QCJJ	AB		В	Block resistor (1ΚΩ×4) [BR15,16] Block resistor (10ΚΩ×4 1/32W ±5%)
ı		RMPTQ4103QCJJ	AB		В	[BR1,2,3,4,5,6,9,10,11,12,13,14,17,18,21,22]
- 1	33	BMBTO44 BBOOK III	45			Block resistor (10KΩ×4 1/32W ±5%)
- 1		RMPTQ4103QCJJ	AB		В	[BR23,24,25,26,27,28,29,30,31,32,37,38,39]
	34	RMPTQ4472QCJJ	AC		В	Block resistor (4.7KΩ×4) [BR19,20,40]
ł		VCCCCY1HH101J	AA		С	Capacitor (50WV 100pF)(1608Type)
- 1				-		[C1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,25,26] Capacitor (50WV 100pF)(1608Type)
		VCCCCY1HH101J	AA		С	[C17,18,19,20,21,22,23,24,37,38,39,40,41,42,170]
- 1	35	VCCCCY1HH101J	AA		С	Capacitor (50WV 100pF)(1608Type) [C27,28,29,30,31,32,33,34,35,36,46,48,49,64]
H		VCCCCY1HH101J	AA		С	Capacitor (50WV 100pF)(1608Type)
- 1						[C108,213,214,215,216,217,218,219,220,221,222]
		VCCCCY1HH101J VCCCCY1HH331J	AA		C	Capacitor (50WV 100pF)(1608Type) [C223,224,225,226,227,228] Capacitor (50WV 330pF) [C51,56,58,126,191,241]
- 1	36	VCCCCY1HH331J	AB		č	Capacitor (50WV 330pF) [C100.101,102,103,104,105,106,107,127,205,206]
	-	VCCCCY1HH331J	AB	-	Č	Capacitor (50WV 330pF) [C207,208,209,210,211,212,229,230,231,232]
- 1	-	VCCCCY1HH470J	AA		C	Capacitor (50WV 47PF) [C114,115,116,117,118,119,120,121,122,138,139]
ŀ	37	VCCCCY1HH470J	AA		С	Capacitor (50WV 47PF) [C132,133,146,147,148,149,154,155]
- 1		VCCCCY1HH470J	AA		С	Capacitor (50WV 47PF) [C140,141,143,144,145,150,151,152,153]
ļ		VCCCCY1HH471J	AA	L	C	Capacitor (50WV 470pF) [C57,167]
- }		VCCCTV1HH8R0C	AB	N N	C	Chip capacitor (50WV 8pF 2012) [C54,55]
- }		VCEAFX1AW226M VCEAGD1CW108M	AK AE	N	C	Apro capacitor (22μF/10V) [C194] Capacitor (16WV 1000μF) [C181,184]
- }		VCEAGU1VW228M	AG		c	Capacitor (35WV 2200µF) [C131,178]
ı		VCEAPF1HW105M	AE	N	c	Chip al.capacitor (1µF/50V) [C189]
- 1	44	VCEAPF1HW106M	AE	N	С	Chip al.capacitor (10μF/50V) [C110,177]
Ţ		VCEAPF1VW106M	AE	N	С	Chip al.capacitor (10μF/35V) [C135,179,182,195,197]
ı		VCEAPS1CC106M	AC		C	Capacitor (16WV 10μF) [C63,94,125,235,237,52]
ı	47	VCEAPS1CC226M	AC		C	Capacitor (22µF/16V) [C194]
- 1	48	VCKYCY1HB102K VCKYCY1HB102K	AA AA		C	Capacitor (50WV 1000pF) [C60,61,130,171,172,173,185,190] Capacitor (50WV 1000pF) [C90]
		VCKYCY1HF104Z	AA	<u> </u>	Č	Capacitor (50WV 0.10µF) [C43,62,95,99,112,113,123,128,158,161,168,236]
- 1	40	VCKYCY1HF1D4Z	AA		C	Capacitor (50WV 0.10μF) [C44,86,87,88,89,109,111,129,136,137,156,163]
ı	49	VCKYCY1HF104Z	AA		С	Capacitor (50WV 0.10μF) [C53]
- [VCKYCY1HF104Z	AA		С	Capacitor (50WV 0.10μF) [C193,240]
Į		VCKYTV1CB474K	AC		C	Capacitor (16WV 0.47μF) [C157,159,160,162,164,165,234]
ŀ		VCKYTV1HB103K	AB		C	Capacitor (50WV 0.010μF) [C180,183]
ŀ		VCQYNA1HM333K VHD1SR159//-1	AA	-	C B	Capacitor (50WV 0.033µF) [C175] Chip diode (1SR159-200) [D9]
ŀ		VHD1SS353//-1	AB		В	Diode (1SS353) [D1,23,5,11,12]
- 1	54	VHD1SS353//-1	AB		В	Diode (1SS353) [D4]
ı		VHDCP301///-1	AL		В	Diode (CP301) [BD1]
[VHDRB060L//-1	AK		В	Diode (RB060L40) [D7,8]
1	57	VH DRB160L60-1	AF	N	В	Diode (RB160L-60) [D6]



6 Main PWB unit

NO.	PARTS CODE	PRICE	NEW MARK	PART RANK	DESCRIPTION
	VHEPTZ30B++-1	AG		В	Zener diode (PTZ30B) [ZD4]
	VHEPTZ6 . 2A/-1	AH		В	Zener diode (PTZ6.2A) [ZD1A]
	VHEPTZ6R2B/-1	AG	N	В	Zener diode (PTZ6.2B) [ZD2A] Zener diode (RD4.3MB1) [ZD3]
62	VHERD4.3MB1-1 VHi28F016SU70	BR	-	В	Zener diode (RD4.3MB1) [ZD3] Flash memory (28F016SU70) [IC3]
63		BA	N	В	G/A MPCA9 (D65945GDP13) [IC9]
	VHISNLVOOAS-1	AK	N	В	IC (74LV00A) [IC24]
65		AK		В	IC (74LV08) [IC7]
66	VHI74LV14ADR/	AM		В	IC (74LV14A) [IC21]
67		AP	N	В	IC (BA033F) [IC36]
68		AC BC		В	IC (BA10393F) [IC12,15,17,27] IC (G76D256F70) [IC10]
69		BN	N	В	IC (G76D256F70) [IC10] 4M S-RAM (HY628400ALLT2-70) [IC23]
71		BA		В	CPU (H641510810) [IC1]
72	VH K A 4 3 F / - 1	AK		В	IC (KIA431F) [IC16]
73		AU		В	IC (LM2574HVN-ADJ) [IC31]
74		BA	N	В	IC LCDC (M66271FP) [IC22]
75		AL		B	IC (IMAX3241) [IC19,20] IC (PQ1CG2032FZ) [IC25,32]
76 77		BA	N	В	IC (PQ1CG2032FZ) [IC25,32] IC (SMA7036M) [IC13,14]
78		AG	- 14	В	IC (74HC00) [IC11]
79		AH		В	IC (74HC02) [IC37]
80	VH TA8428K/-1	AN		В	IC (TA8428K) [IC18]
81		AH		В	IC (TD62308F) [IC8]
82	VH W 4 2 C 3 1 0 3 G/	AU		B	IC (W42C31-03G) [IC2]
83	VRS-CY1JD000J	AA	-	Ç	Resistor (1/16W 0Ω ±5%)(Jumper/1608Type) [R86,91,93,151,71]
84	VRS-CY1JD000J	AA AA		C	Resistor (1/16W 0Ω ±5%)(Jumper/1608Type) [R242] Resistor (1/16W 10Ω ±5%) [R211]
	VRS-CYLID102F	AA		č	Resistor (1/16W 1K Ω ±1%) [R215.217.238]
85	VRS-CY1JD102F	AA		C	Resistor (1/16W 1K Ω ±1%) [R232]
86	VRS-CY1JD102J	AA		С	Resistor (1/16W 1.0KΩ ±5%) [R94,266,267]
- 00	VHS-CYTJDT02J	AA		С	Resistor (1/16W 1.0KΩ ±5%) [R150,158,170,171,172,176,177,207,261,262]
87	VRS-CY1JD103J	AA		С	Resistor (1/16W 10KΩ ±5%) [R58,82,84,87,89,113,181,186,208,265]
	VRS-CY1JD103J VRS-CY1JD104J	AA		C	Resistor (1/16W 10K $Ω$ ±5%) [R119,182,184,263,264] Resistor (1/16W 100K $Ω$ ±5%) [R155,164,174]
88	VRS-CY1JD104J	AA		č	Resistor (1/16W 100KΩ \pm 5%) [R155,164,174] Resistor (1/16W 100KΩ \pm 5%) [R156]
89		AA	N	C	Resistor (1/16W 1.15K Ω ±1%) [R137]
90	VRS-CY1JD122F	AB		С	Resistor (1/16W 1.2KΩ ±1%) [R213]
91		AA	N	С	Resistor (1/16W 133Ω ±1%) [R138]
92		AA		С	Resistor (1/16W 16K Ω ±1%) [R78,80]
93		AA		C	Resistor (1/16W 18KΩ ±1%) [R135]
	VRS-CY1JD183J	AA AA		C	Resistor (1/16W 18KΩ ±5%) [R210] Resistor (1/16W 2KΩ ±1%) [R244]
96		ĀĀ		C	Resistor (1/16W 20K Ω ±5%) [R140]
	VRS-CY1JD221J	AA		Č	Resistor (1/16W 220Ω ±5%) [R260]
98		AA		С	Resister (1/16W 2.2KΩ ±1%) [R243]
99	VRS-CY1JD222J	AA		С	Resistor (1/16W 2.2KΩ ±5%) [R120,179]
	VHS-CTIJUZZZJ	AA		С	Resistor (1/16W 2.2KΩ ±5%) [R180]
100	VRS-CY1JD223F VRS-CY1JD241J	AA	 i	C	Resistor (1/16W 22KΩ ±1%) [R212] Resistor (1/16W 240KΩ ±5%) [R154]
	VRS-CY1JR301F	AA	N	Č	Resistor (1/16W 300Ω ±1%) [R241]
	VRS-CY1JD302F	AA		č	Resistor (1/16W $3K\Omega \pm 1/6$) [R214]
	VRSCY1JD3091F	AA		Č	Resistor (1/16W 3.09KΩ ±1%) [R231]
104	VHSCYTJD3U9TF	AA		С	Resistor (1/16W 3.09KΩ ±1%) [R237]
	VRS-CY1JD330J	AA		С	Resistor (1/16W 33Ω ±5%) [R70]
106	VRS-CY1JD333J	AA		Ç.	Resistor (1/16W 33KQ ±5%) R163,173,185]
107	VRS-CY1JD362F VRS-CY1JD362F	AA	\vdash	C	Resistor (1/16W 3.6K $Ω$ ±1%) [R79,81] Resistor (1/16W 3.6K $Ω$ ±1%) [R216]
108	VRS-CY1JD470J	AA		č	Resistor (1/16W 47 Ω ±5%) [R4,66,67,68,69]
	VRS-CY1JD472F	AA		C	Resistor (1/16W 4.7K Ω ±1%) [R224]
110	VRS-CY1JD472J	AA		С	Resistor (1/16W 4.7KΩ ±5%) [R107,15-2,206,227]
	VHS-CTIJD472J	AA		С	Resistor (1/16W 4.7KΩ ±5%) R1339,153,192]
111	VRS-CY1JD473J	AA	ļ	Č	Resistor (1/16W 47KΩ ±5%) [R121]
112	VRS-CY1 JD562 J VRS-CY1 JD562 J	AA	-	C	Resistor (1/16W 5.6KΩ ±5%) R157,165,175] Resistor (1/16W 5.6KΩ ±5%) [R183]
	VRS-CY1JD563J	AA		č	Resistor (1/16W 5.6KΩ ±5%) [R183] Resistor (1/16W 56KΩ ±5%) [R226]
113	VRS-CY1JD563J	AA		c	Resistor (1/16W 56K Ω ±5%) [R245]
114	VRS-CY1JD680F	AA	N	С	Resistor (1/16W 68Ω ±1%) [R136]
	VRS-CY1JD912F	AA		С	Resistor (1/16W 9.1KΩ ±1%) [R22,2≥3,230,236]
	VRS-TE2HF1R0F	AD	N	Č	Resistor (1/2W 1Ω ±1%) [R23],23-4,239,240]
	VRS-TS2ED392J	AD	N N	Ç	Resistor (1/4W 3.9KΩ ±5%) [R225]
	VRS-TS3AD8R2J VS2SA1036KQRC	AD AB	N	B	Resistor (1W 8.2Ω ±5%) [R187] Transistor (2SA1036KQRC) [O11]
	VS2SC2412K/-1	AB		В	Transistor (2SA1036KQRC) [Q1] Transistor (2SC2412K) [Q2]
120	VS2SC2412K/-1	AB		В	Transistor (2SC2412K) Q4
	VS2SK1826//-1	AC		В	FET (2SK1826) [Q7,8]
	VSKTD998///-1	AS		В	Transistor (2SD998)
	VSMTD2955V+-1	AQ	N	В	Transistor (MTD2955V) [Q3,5]
124	XBPSD30P06000 (Unit)	AA		С	Screw (M3×6) [IC25,32,Q6]
	(Contr)			L	



UP-600V UP-700V 6 Main PWB unit

NO.	PARTS CODE	PRICE RANK			DESCRIPTION	<u> </u>
901	CPWBX2884BH01	CT	N	E	Main PWB unit	

7 IPL PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
1	QCNCW2879BHZZ	AT	N	С	ROM FPC Connector (45P)(XF2H-4515-1)	[CN301]
	QCNCW2885BHZZ	AQ		С	Option RAM stack connector (35774-4050)	[CN303]
	QSOCZ2042SC32	AE		С	IC socket (32pin)	[IC302,303]
4	QSW-S1054YCKZ	AK	N	В	IPL slide switch (SSSS11101)(SSSS812-B-2B)	[SW301,302]
	VCEAPS1CC106M	AC		С	Capacitor (16WV 10μF)	[C308,309]
6	VCKYCY1HF104Z	AA		С	Capacitor (50WV 0.10µF)	[C303,305]
	(Unit)					
901	CPWBX2886BH01	BS	N	E	IPL_ROM PWB unit	

8 CKDC PWB unit

8 6	CKDC PWB unit					
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCR	IPTION
1	QCNCW2888BHZZ	AN		С	LCD /F Connector (00 6208 515 210 000)	[CN2]
	QCNCM7142BH1B	AD		С	Connector (GIL-G12P-5ST2-E)	[CN4]
	QCNCM7176BH0H	AD		С	Connector (KEY)(5394-0810)	[CN8]
	QCNCM7176BH1E	AE		С	Connector (MLX 53014-1510)	[CN3A]
	QCNCW6882BH1A	AG		С	Connector (11P)(52011-1110)(ST TYPE)	[CN7]
	QCNCW7081BHZZ	AB		C	Connector (2P)(5267-02A)(Blue)	[CN10]
	QCNCW7118BH0i	AG		C	Connector (K/B)(9P)(5229-09CPB)	[CN6-1]
	QCNCW7118BH1H QCNW-3114BHZZ	AM	N	C	Connector (18pin)(5229-18CPB) CKDC CN.cable (30Pin)	[ONO]
	QCNW-3136BHZZ	AD	N	C	GND wire (140mm)	[CN1] [GND1]
	RALMB6646BHZZ	AQ	19	В	Buzzer (RALMB6646BHZA)	[BZ1]
	RCORF 2345BHZZ	AD	N	Č	Chip coil (CIM31J601NE)	[FB9,10,11,12,13,14,15,16,17]
	RCORF1008ACZZ	AB	- 14	C	Chip bead (BLM21A05)	[FB1,2,3,4,5,6,7,8]
	RCRMZ2002RCZZ	AD	N	В	Resonator (4.19MHz)	[X2]
	RCRSP6676RCZZ	AG		В	X-TAL (32.768KHz)	[X1]
16	VCCCCY1HH150J	AB		C	Capacitor (50WV 15pF)(1608Type)	[C11,12]
	VCCCCY1HH471J	AA		С	Capacitor (50WV 470pF)	[C1,5,6,7,8,14,15,16,17,18,19]
	VC EAFX1AW226M	AK	N	Ç	Apro capacitor (22µF/10V)	[C45]
19	VCEAPS1CC106M	AC		С	Capacitor (16WV 10μF)	[C30,32,38,39,42]
	VCKYCY1HB102K	AA		С	Capacitor (50WV 1000pF)	[C2,9,21,22,23,24,25,26,27,28]
	VCKYCY1HB222K	AA		С	Capacitor (50WV 2200pF)	[C20]
	VCKYCY1HF104Z	AA		C	Capacitor (50WV 0.10μF)	[C3,4,13,29,31,33,34,35,36,37,40,41,43]
23	VCKYTV1CB474K	AC		C	Capacitor (16WV 0.47μF)	[C44]
	VHD188353//-1	AB		В	Diode (1SS353)	[D1,2,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18]
24	VHD1SS353//-1 VHD1SS353//-1	AB		В	Diode (1SS353)	[D19,20,21,22,23,24,25,26,27,28,29]
25	VH i 74LS138NS1	AB AD		B	Diode (1SS353) IC (74LS138NS)	(UP-600)[D3]
	VH IBAOOASFP-1	AR		В	IC (BA00ASFP)	[IC5,6]
	VH iH4728B02FS	AW		В	IC (H4728B02FS)	[IC9] [IC1]
	VHIKID65083AP	AM		В	IC (KID65083AP)	[IC1]
	VHISN74HC153D	AK		В	IC (SN74HC153DR)	[IC7,8]
	VHISN74LS125R	AL		В	IC (SN74LS125DR)	[IC3,4]
31	VRS-CY1JD000J	AA		С	Resistor (1/16W 0Ω ±5%)(Jumper/1608Type)	[R70]
32	VRS-CY1JD105J	AA		С	Resistor (1/16W 1.0MΩ ±5%)	[R17]
	VRS-CY1JD123J	AA		С	Resistor (1/16W 12KΩ ±5%)	[R12,19,20,21,22,23,24,25]
	VRS-CY1JD151J	AA		С	Resistor (1/16W 150Ω ±5%)	[R57]
	VRS-CY1JD181J	AA		C	Resister (1/16W 180Ω ±5%)	[R58]
	VRS-CY1JD221J	AA		C	Resistor (1/16W 220Ω ±5%)	[R18,26,27,28,29,30,31,32]
	VRS-CY1JD222J	AA		С	Resistor (1/16W 2.2KΩ ±5%)	[R11]
	VRS-CY1JD242F	AA		C	Resistor (1/16W 2.4KΩ ±1%)	[R62]
	VRS-CY1JD330J	AA		C	Resistor (1/16W 33Ω ±5%)	[R9]
40	VRS-CY1JD472J	AA		С	Resistor (1/16W 4.7KΩ ±5%)	[R7,8,33]
41	VRS-CY1JD473J VRS-CY1JD473J	AA		C	Resistor (1/16W 47KΩ ±5%)	[R5,6,34,35,36,37,38,39,40,41,42,43,44,45,46]
42	VRS-CY1JD682F	AA	-	C	Resistor (1/16W 47KΩ ±5%) Resistor (1/16W 6.8KΩ ±1%)	[R47,48,49,50,51,52,53,54,55,56]
	VS 2SC2412K/-1	AA	-	В	Transistor (2SC2412K)	[R61]
	VSKRC106S//-1	AD		В	Transistor (KRC106S)	[Q1] [Q9,10,11,12,13,14,15]
	VSKTA1664//-1	AD		В	Transistor (KTA1664)	[Q2,3,4,5,6,7,8]
	QCNW-3134BHZZ	AE	N	c	GND wire (310mm)	[GND]
	QC NW-3138BHZZ	AD	N	Č	GND wire (100mm)	[GND]
	(Unit)		-			[GI45]
901	CPWBN2885BH01	BS	N	E	CKDC PWB unit	[UP-600]
301	CPWBN2885BH02	BS	N	E	CKDC PWB unit	[UP-700]
L						
	L	L				
						



9 RS232C PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
	QCNCM1060AC03	AB		С	Connector (Short Pin 3P)	[S403,404]
2	QCNCM2788BH0i	BL		С	Connector (D-SUB 9pin)(Straight type)	[CN402]
	QCNCM2895BHZZ	AN	N	С	Connector (20Pin)(BM04-20S)(RS232C RELAY)	[CN401]
4	QCNCW1057ACZZ	AB		С	Connector (Short socket)	[\$404]
5	QCNCW2893BHZZ	AS	N	С	MODULE JACK Connector (3017S-8811)	[CN403]
	QSW-S0744AFZZ	AG		В	Reset switch (SSS312)	[S401]
7	VHHM I NSMDC 0 2 0	AF		В	Thermistor (MiniSMD020-2)	[PF401]
8	QCNW-3138BHZZ	AD	N	С	GND wire (100mm)	[GND]
	(Unit)					
901	CPWBN2881BH01	BK	N	E	RS232C PWB unit	
		ļ				
		1				

10 MCR pole PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
1	QCNCM2902BHZZ	AF	N	С	MCR Connector (11Pin)(5483-11AX)	[CN503]
2	QCNCM2895BHZZ	AN	N	С	Connector (20Pin)(C05-20-A-G-1)(RELAY)	[CN501]
	QCNCM7176BH0E	AC		С	Connector (53014-0510)	[CN504]
4	QCNCM7176BH1J	AD		С	Connector (53014-1010)	[CN502]
	QCNCW2893BHZZ	AS	N	C	Module jack connector (3017S-8811)	[CN505]
6	RCORF2337BHZZ	AN		С	Ferrite core (BFR601009C8NG)	(FB501)
7	QCNW-3138BHZZ	AD	N	С	GND wire (100mm)	[GND]
	(Unit)					
901	CPWBN2882BH01	BH	N	E	MCR_POLE PWB unit	

11 Pop up PWB unit

<u> </u>						
NO.	PARTS CODE	PRICE	NEW MARK	PART RANK	DESCRIPTION	
1	QCNW-3116BHZZ	AU	N	C	Pop up cn. cable (15Pin)	[CN1]
	VHPHDSP5621-1	AM		В	LED (2SEG GREEN)(HDSP5621)	[FND1,2,3,4]
3	VRD-RC2EY270J	AA		С	Resistor (1/4W 27Ω ±5%)	[R10,12,14,15,18,20,22,24]
	(Unit)					
901	CPWBF2891BH01	BR	N	Ε	Volume PWB unit	
		1		1		

12 LCD HS unit

<u> </u>	LOD TIO GIAL					
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
	QCNCM2890BHZZ	AF	N	С	LED BACKLIGHT Connector (53261-0290)	[CN2]
	QCNCM2891BHZZ	AF	N	С	LCD VOLUME Connector (3Pin)(53261-0390)	[CN3]
	QCNCW2886BHZZ	AL	N	С	LCD I/F Connector (00 6200 515 230 000)	[CN1]
	RLMPY2000RCZZ	BF	N	В	LED backlight	
	VCEAPF1HW105M	AE	N	С	Chip al.capacitor (1μF/50V)	[C10]
6	VCEAPF1HW475M	AE	N	С	Chip al.capacitor (4.7μF/50V)	[C9]
	VCKYCY1HF104Z	AA		С	Capacitor (50WV 0.10μF)	[C2,3,11]
8	VCKYTV1CF105Z	AB		С	Capacitor (16WV 1μF)	C 1,4,5,6,7,8]
	VHILA5312V/-1	AM		В	IC (LA5312V)	[IC5]
12	VH LM317LD+-1	AL	N	В	IC (LM317L)	[IC6]
	VRS-CY1JD000J	AA		С	Resistor (1/16W 0Ω ±5%)(Jumper/1608Type)	[R7,8,10]
	VRS-CY1JD180J	AA		С	Resistor (1/16W 18Ω ±5%)	[R1,2,3,4,5]
	VRS-CY1JD222J	AA		С	Resistor (1/16W 2.2KΩ ±5%)	[R13]
16	VRS-CY1JD241J	AA		С	Resistor (1/16W 240KΩ ±5%)	R11]
	VRS-CY1JD302J	AA		С	Resistor (1/16W 3.0KΩ ±5%)	[R12]
18	VVLLF10036FAT	BF_	N	В	LCD (LF10036FAT)	
	(Unit)					
901	DUNTK 4234BHZZ	BW	N	E	LCD H/S PWB unit	

13 Volume PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
	QCNCM2891BHZZ	AF	N	С	LCD volume connector (3Pin)(53261-0390)	[CN201]
	RVR-B2410QCZZ	AG		В	Variable resistor (5K)	[VR201]
3	QCNW-3134BHZZ	AE	N	С	GND wire (310mm)	[GND]
	(Unit)					
901	CPWBN 2889BH01	BF	N	E	Volume PWB unit	



UP-600V UP-700V 14 Articles for copnsumption

PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
	BA		S	Thermal roll paper (5 Rolls/pack)	
TPAPR6657RC05	BD		S	Thermal roll paper(High preservatic type) (5 Rolls/pack)	
	AQ	N	S	Normal key sheet	[UP-700]
PSHEK2927BHZA	AG	N	S	Character key sheet	[UP-700]
PSHEK2930BHZZ	AG	N	S	Blank key sheet	[UP-700]
			ļ		
	PARTS CODE TPAPR6656RC05 TPAPR6657RC05 PSHEK2926BHZA PSHEK2927BHZA PSHEK2930BHZZ	PARTS CODE RANK TPAPR 6 6 5 6 R C 0 5 BA TPAPR 6 6 5 7 R C 0 5 BD PSHEK 2 9 2 6 BHZ A AQ PSHEK 2 9 2 7 BHZ A AG	PARTS CODE RANK MARK TPAPR 6 6 5 6 R C 0 5 BA TPAPR 6 6 5 7 R C 0 5 BD PSHEK 2 9 2 6 B H Z A AQ N PSHEK 2 9 2 7 B H Z A AG N	PARTS CODE RANK MARK RANK TPAPR 6 6 5 6 R C 0 5 BA S TPAPR 6 6 5 7 R C 0 5 BD S PSHEK 2 9 2 6 B H Z A AQ N S PSHEK 2 9 2 7 B H Z A AG N S	PARTS CODE RANK MARK RANK DESCRIPTION TPAPR 6 6 5 6 R C 0 5 BA S Thermal roll paper (5 Rolls/pack) TPAPR 6 6 5 7 R C 0 5 BD S Thermal roll paper (High preservatic type) (5 Rolls/pack) PSHEK 2 9 2 6 B H Z A AQ N S Normal key sheet PSHEK 2 9 2 7 B H Z A AG N S Character key sheet

15 Service options & Service tools

NO. PARTS CODE PRICE NEW RANT MARK MA	15	Service options &	Serv	ice t	00IS	
L K G I M 1 0 0 4 B H 1 4 B H S Cent keyr(14) (Opcor1 set-with key ring) L K G I M 1 0 0 4 B H 1 5 B H S Cent keyr(16) (Opcor1 set-with key ring) L K G I M 1 0 0 4 B H 1 6 B H S Cent keyr(16) (Opcor1 set-with key ring) L K G I M 1 0 0 4 B H 1 9 B H S Cent keyr(17) (Opcor1 set-with key ring) L K G I M 1 0 0 4 B H 1 9 B H S Cent keyr(17) (Opcor1 set-with key ring) L K G I M 1 0 0 4 B H 2 0 B H S Cent keyr(17) (Opcor1 set-with key ring) L K G I M 1 0 0 4 B H 2 1 B H S Cent keyr(27) (Opcor1 set-with key ring) L K G I M 1 0 0 4 B H 2 5 B H S Cent keyr(27) (Opcor1 set-with key ring) L K G I M 1 0 0 4 B H 2 5 B H S Cent keyr(27) (Opcor1 set-with key ring) L K G I M 1 0 0 4 B H 2 5 B H S Cent keyr(27) (Opcor1 set-with key ring) L K G I M 1 0 0 4 B H 2 5 B H S Cent keyr(27) (Opcor1 set-with key ring) L K G I M 1 0 0 4 B H 2 5 B H S Cent keyr(27) (Opcor1 set-with key ring) L K G I M 1 0 0 4 B H 2 5 B H S Cent keyr(27) (Opcor1 set-with key ring) L K G I M 1 0 0 4 B H 2 5 B H S Cent keyr(27) (Opcor1 set-with key ring) L K G I M 1 0 0 4 B H 2 5 B H S Cent keyr(27) (Opcor1 set-with key ring) L K G I M 1 0 0 4 B H 2 5 B H S Cent keyr(27) (Opcor1 set-with key ring) L K G I M 1 0 0 4 B H 2 5 B H S Cent keyr(27) (Opcor1 set-with key ring) L K G I M 1 0 0 4 B H 2 5 B H S Cent keyr(27) (Opcor1 set-with key ring) L K G I M 1 0 0 4 B H 2 5 B H S Cent keyr(27) (Opcor1 set-with key ring) L K G I M 1 0 0 4 B H 2 5 B B S Cent keyr(27) (Opcor1 set-with key ring) L K G I M 1 0 0 4 B H 3 3 B B S Cent keyr(27) (Opcor1 set-with key ring) L K G I M 1 0 0 4 B H 3 3 B B S Cent keyr(27) (Opcor1 set-with key ring) L K G I M 1 0 0 4 B H 3 3 B B S Cent keyr(37) (Opcor1 set-with key ring) L K G I M 1 0 0 4 B H 3 3 B B S Cent keyr(37) (Opcor1 set-with key ring) L K G I M 1 0 0 4 B H 3 3 B B S Cent keyr(37) (Opcor1 set-with key ring) L K G I M 1 0 0 4 B H 3 3 B B S Cent keyr(37) (Opcor1 set-with key ring) L K G I M 1 0 0 4 B H 3 5 B B S Cent keyr(37) (Opcor1 set-with key ring) L K G I M 1 0 0 4 B H 3 5 B B S Cent keyr(37) (Opcor1 set-with key ring) L	NC	D. PARTS CODE				DESCRIPTION
LK G M 0 0 4 BH 1 5 BH S Clerk key 150 (paper set, with key ring)			_			
LK G M 0 0 4 BH 1 6 BH S Clerk (sey) (12) (Open 1 sey) (14) (Nay 1 1) (Nay 1						
LK G IM 0 0 4 BH 17 BH S Clerk key(17) Open 1 set, with key ring)						
LK G M 10 0 4 BH 18 BH S Clerk key[19] (Depot less, with key ring)						
LK G M 10 0 4 BH 2 0						
L K G 1 M 1 0 0 4 B H 2 0 BH						Clerk key(19) (2ncs/1set with key ring)
L K G I M T 0 O 4 B H 2 2 BH S Clerk key(21) (2pcc11es(with key ring) L K G I M T 0 O 4 B H 2 2 BH S Clerk key(22) (2pcc11es(with key ring) L K G I M T 0 O 4 B H 2 4 BH S Clerk key(23) (2pcc11es(with key ring) L K G I M T 0 O 4 B H 2 5 BH S Clerk key(23) (2pcc11es(with key ring) L K G I M T 0 O 4 B H 2 5 BH S Clerk key(23) (2pcc11es(with key ring) L K G I M T 0 O 4 B H 2 7 BH S Clerk key(23) (2pcc11es(with key ring) L K G I M T 0 O 4 B H 2 7 BH S Clerk key(23) (2pcc11es(with key ring) L K G I M T 0 O 4 B H 2 7 BH S Clerk key(33) (2pcc11es(with key ring) L K G I M T 0 O 4 B H 3 0 BH S Clerk key(30) (2pcc11es(with key ring) L K G I M T 0 O 4 B H 3 0 BH S Clerk key(30) (2pcc11es(with key ring) L K G I M T 0 O 4 B H 3 0 BH S Clerk key(30) (2pcc11es(with key ring) L K G I M T 0 O 4 B H 3 0 BH S Clerk key(30) (2pcc11es(with key ring) L K G I M T 0 O 4 B H 3 0 BH S Clerk key(30) (2pcc11es(with key ring) L K G I M T 0 O 4 B H 3 0 BH S Clerk key(30) (2pcc11es(with key ring) L K G I M T 0 O 4 B H 3 0 BH S Clerk key(30) (2pcc11es(with key ring) L K G I M T 0 O 4 B H 3 5 BH S Clerk key(30) (2pcc11es(with key ring) L K G I M T 0 O 4 B H 3 5 BH S Clerk key(30) (2pcc11es(with key ring) L K G I M T 0 O 4 B H 3 5 BH S Clerk key(30) (2pcc11es(with key ring) L K G I M T 0 O 4 B H 3 5 BH S Clerk key(30) (2pcc11es(with key ring) L K G I M T 0 O 4 B H 3 7 BH S Clerk key(30) (2pcc11es(with key ring) L K G I M T 0 O 4 B H 3 7 BH S Clerk key(30) (2pcc11es(with key ring) L K G I M T 0 O 4 B H 3 7 BH S Clerk key(30) (2pcc11es(with key ring) L K G I M T 0 O 4 B H 3 7 BH S Clerk key(30) (2pcc11es(with key ring) L K G I M T 0 O 4 B H 3 7 BH S Clerk key(30) (2pcc11es(with key ring) L K G I M T 0 O 4 B H 3 7 BH S Clerk key(30) (2pcc11es(with key ring) L K G I M T 0 O 4 B H 3 7 BH S Clerk key(30) (2pcc11es(with key ring) L K G I M T 0 O 4 B H 4 5 BH S Clerk key(30) (2pcc11es(with key ring) L K G I M T 0 O 4 B H 4 5 BH S Clerk key(30) (2pcc11es(with key ring) L K G I M T 0 O 4 B H 4 5 BH S Clerk key(30) (2pcc11es(with key ring) L K G I M T 0 O						
L K G I M 1 0 0 4 B H 2 3 B H S S Clark key(23) (2poch 1964,with key ring)			ВН		S	
L K G I M 1 0 0 4 B H 2 4 B H S Clerk key(24) (2bcer/set,with key ring) L K G I M 1 0 0 4 B H 2 6 B H S Clerk key(25) (2bcer/set,with key ring) L K G I M 1 0 0 4 B H 2 7 B H S Clerk key(26) (2bcer/set,with key ring) L K G I M 1 0 0 4 B H 2 7 B H S Clerk key(26) (2bcer/set,with key ring) L K G I M 1 0 0 4 B H 2 8 B H S Clerk key(26) (2bcer/set,with key ring) L K G I M 1 0 0 4 B H 2 8 B H S Clerk key(26) (2bcer/set,with key ring) L K G I M 1 0 0 4 B H 3 2 B H S Clerk key(26) (2bcer/set,with key ring) L K G I M 1 0 0 4 B H 3 2 B H S Clerk key(26) (2bcer/set,with key ring) L K G I M 1 0 0 4 B H 3 2 B H S Clerk key(36) (2bcer/set,with key ring) L K G I M 1 0 0 4 B H 3 2 B H S Clerk key(36) (2bcer/set,with key ring) L K G I M 1 0 0 4 B H 3 3 B H S Clerk key(36) (2bcer/set,with key ring) L K G I M 1 0 0 4 B H 3 5 B H S Clerk key(36) (2bcer/set,with key ring) L K G I M 1 0 0 4 B H 3 5 B H S Clerk key(36) (2bcer/set,with key ring) L K G I M 1 0 0 4 B H 3 5 B H S Clerk key(36) (2bcer/set,with key ring) L K G I M 1 0 0 4 B H 3 5 B H S Clerk key(36) (2bcer/set,with key ring) L K G I M 1 0 0 4 B H 3 8 B H S Clerk key(36) (2bcer/set,with key ring) L K G I M 1 0 0 4 B H 3 8 B H S Clerk key(36) (2bcer/set,with key ring) L K G I M 1 0 0 4 B H 3 8 B H S Clerk key(36) (2bcer/set,with key ring) L K G I M 1 0 0 4 B H 3 8 B H S Clerk key(36) (2bcer/set,with key ring) L K G I M 1 0 0 4 B H 3 8 B H S Clerk key(36) (2bcer/set,with key ring) L K G I M 1 0 0 4 B H 3 8 B H S Clerk key(36) (2bcer/set,with key ring) L K G I M 1 0 0 4 B H 3 8 B H S Clerk key(36) (2bcer/set,with key ring) L K G I M 1 0 0 4 B H 3 4 C B H S Clerk key(36) (2bcer/set,with key ring) L K G I M 1 0 0 4 B H 3 4 C B H S Clerk key(36) (2bcer/set,with key ring) L K G I M 1 0 0 4 B H 3 4 C B H S Clerk key(36) (2bcer/set,with key ring) L K G I M 1 0 0 4 B H 3 4 C B H S Clerk key(36) (2bcer/set,with key ring) L K G I M 1 0 0 4 B H 3 5 C B H S Clerk key(36) (2bcer/set,with key ring) L K G I M 1 0 0 4 B H 3 5 C B H S Clerk key(36) (2bcer/set,with key ring) L K G I M 1 0 0 4	-					
L K G M 1 0 0 4 B H 2 5 B H S Clerk key/25) (2pcc/19st,with key ring)	1					
L K G M 1 0 0 4 B H 2 6 B H S Clerk key/20 Deport sel, with key ring						
L K G I M 1 0 0 4 B H 2 7 B H S Clerk key/27] (2pcs/1sek,with key ring) L K G I M 1 0 0 4 B H 2 8 B H S Clerk key/28) (2pcs/1sek,with key ring) L K G I M 1 0 0 4 B H 3 9 B H S Clerk key/28) (2pcs/1sek,with key ring) L K G I M 1 0 0 4 B H 3 3 B H S Clerk key/39) (2pcs/1sek,with key ring) L K G I M 1 0 0 4 B H 3 3 B H S Clerk key/39) (2pcs/1sek,with key ring) L K G I M 1 0 0 4 B H 3 3 B H S Clerk key/39) (2pcs/1sek,with key ring) L K G I M 1 0 0 4 B H 3 3 B H S Clerk key/39) (2pcs/1sek,with key ring) L K G I M 1 0 0 4 B H 3 3 B H S Clerk key/39) (2pcs/1sek,with key ring) L K G I M 1 0 0 4 B H 3 3 B H S Clerk key/39) (2pcs/1sek,with key ring) L K G I M 1 0 0 4 B H 3 3 B H S Clerk key/39) (2pcs/1sek,with key ring) L K G I M 1 0 0 4 B H 3 3 B H S Clerk key/39) (2pcs/1sek,with key ring) L K G I M 1 0 0 4 B H 3 7 B H S Clerk key/39) (2pcs/1sek,with key ring) L K G I M 1 0 0 4 B H 3 8 B H S Clerk key/39) (2pcs/1sek,with key ring) L K G I M 1 0 0 4 B H 3 8 B H S Clerk key/39) (2pcs/1sek,with key ring) L K G I M 1 0 0 4 B H 3 8 B H S Clerk key/39) (2pcs/1sek,with key ring) L K G I M 1 0 0 4 B H 3 8 B H S Clerk key/39) (2pcs/1sek,with key ring) L K G I M 1 0 0 4 B H 4 1 B H S Clerk key/39) (2pcs/1sek,with key ring) L K G I M 1 0 0 4 B H 4 1 B H S Clerk key/39) (2pcs/1sek,with key ring) L K G I M 1 0 0 4 B H 4 3 B H S Clerk key/39) (2pcs/1sek,with key ring) L K G I M 1 0 0 4 B H 4 3 B H S Clerk key/39) (2pcs/1sek,with key ring) L K G I M 1 0 0 4 B H 4 4 B B S Clerk key/49) (2pcs/1sek,with key ring) L K G I M 1 0 0 4 B H 4 4 B B S Clerk key/49) (2pcs/1sek,with key ring) L K G I M 1 0 0 4 B H 4 5 B H S Clerk key/49) (2pcs/1sek,with key ring) L K G I M 1 0 0 4 B H 4 5 B H S Clerk key/49) (2pcs/1sek,with key ring) L K G I M 1 0 0 4 B H 4 5 B H S Clerk key/49) (2pcs/1sek,with key ring) L K G I M 1 0 0 4 B H 4 5 B H S Clerk key/49) (2pcs/1sek,with key ring) L K G I M 1 0 0 4 B H 4 5 B H S Clerk key/49) (2pcs/1sek,with key ring) L K G I M 1 0 0 4 B H 4 5 B H S Clerk key/49) (2pcs/1sek,with key ring) L K G I M 1 0 0 4 B H 4 5 B H	1					
LKG M 1 0 0 4 B H 2 8 BH						
L K G I M 1 0 0 4 B H 2 9 B H S						
L K G I M 1 0 0 4 B H 3 2 BH S Clerk key(31) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 3 2 BH S Clerk key(32) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 3 4 BH S Clerk key(32) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 3 4 BH S Clerk key(32) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 3 6 BH S Clerk key(32) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 3 6 BH S Clerk key(32) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 3 6 BH S Clerk key(32) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 3 7 BH S Clerk key(32) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 3 8 BH S Clerk key(32) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 3 8 BH S Clerk key(32) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 4 0 BH S Clerk key(32) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 4 0 BH S Clerk key(32) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 4 1 BH S Clerk key(32) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 4 2 BH S Clerk key(32) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 4 2 BH S Clerk key(32) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 4 2 BH S Clerk key(42) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 4 2 BH S Clerk key(42) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 4 2 BH S Clerk key(42) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 4 4 BH S Clerk key(42) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 4 4 BH S Clerk key(43) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 4 6 BH S Clerk key(43) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 4 6 BH S Clerk key(43) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 4 6 BH S Clerk key(43) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 4 6 BH S Clerk key(43) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 B BH S Clerk key(43) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 B BH S Clerk key(53) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 B BH S Clerk key(54) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 B BH S Clerk key(54) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 B BH S Clerk key(54) (2pcs/1set,w	1	LKG1M1004BH29	BH			
L K G I M 1 0 0 4 B H 3 2 BH S Clerk key(32) (2pca/15et, with key ring) L K G I M 1 0 0 4 B H 3 3 BH S Clerk key(34) (2pca/15et, with key ring) L K G I M 1 0 0 4 B H 3 5 BH S Clerk key(36) (2pca/15et, with key ring) L K G I M 1 0 0 4 B H 3 5 BH S Clerk key(36) (2pca/15et, with key ring) L K G I M 1 0 0 4 B H 3 7 BH S Clerk key(36) (2pca/15et, with key ring) L K G I M 1 0 0 4 B H 3 7 BH S Clerk key(36) (2pca/15et, with key ring) L K G I M 1 0 0 4 B H 3 8 BH S Clerk key(36) (2pca/15et, with key ring) L K G I M 1 0 0 4 B H 3 9 BH S Clerk key(36) (2pca/15et, with key ring) L K G I M 1 0 0 4 B H 4 9 BH S Clerk key(36) (2pca/15et, with key ring) L K G I M 1 0 0 4 B H 4 1 BH S Clerk key(36) (2pca/15et, with key ring) L K G I M 1 0 0 4 B H 4 1 BH S Clerk key(36) (2pca/15et, with key ring) L K G I M 1 0 0 4 B H 4 2 BH S Clerk key(40) (2pca/15et, with key ring) L K G I M 1 0 0 4 B H 4 3 BH S Clerk key(40) (2pca/15et, with key ring) L K G I M 1 0 0 4 B H 4 3 BH S Clerk key(40) (2pca/15et, with key ring) L K G I M 1 0 0 4 B H 4 3 BH S Clerk key(41) (2pca/15et, with key ring) L K G I M 1 0 0 4 B H 4 3 BH S Clerk key(41) (2pca/15et, with key ring) L K G I M 1 0 0 4 B H 4 5 BH S Clerk key(41) (2pca/15et, with key ring) L K G I M 1 0 0 4 B H 4 5 BH S Clerk key(41) (2pca/15et, with key ring) L K G I M 1 0 0 4 B H 4 5 BH S Clerk key(42) (2pca/15et, with key ring) L K G I M 1 0 0 4 B H 4 5 BH S Clerk key(42) (2pca/15et, with key ring) L K G I M 1 0 0 4 B H 4 5 BH S Clerk key(42) (2pca/15et, with key ring) L K G I M 1 0 0 4 B H 4 5 BH S Clerk key(42) (2pca/15et, with key ring) L K G I M 1 0 0 4 B H 4 5 BH S Clerk key(42) (2pca/15et, with key ring) L K G I M 1 0 0 4 B H 4 5 BH S Clerk key(42) (2pca/15et, with key ring) L K G I M 1 0 0 4 B H 4 7 BH S Clerk key(42) (2pca/15et, with key ring) L K G I M 1 0 0 4 B H 4 7 BH S Clerk key(42) (2pca/15et, with key ring) L K G I M 1 0 0 4 B H 4 7 BH S Clerk key(50) (2pca/15et, with key ring) L K G I M 1 0 0 4 B H 5 5 BH S Clerk key(50) (2pca/15et, with key ring) L K G I M 1 0 0 4 B H 5 5 BH	1					Clerk key(30) (2pcs/1set,with key ring)
L K G I M 1 0 0 4 B H 3 4 B H S Clerk key/43 (2pcs/19st,with key ring) L K G I M 1 0 0 4 B H 3 4 B H S Clerk key/34 (2pcs/19st,with key ring) L K G I M 1 0 0 4 B H 3 5 B H S Clerk key/35 (2pcs/19st,with key ring) L K G I M 1 0 0 4 B H 3 8 B H S Clerk key/35 (2pcs/19st,with key ring) L K G I M 1 0 0 4 B H 3 8 B H S Clerk key/35 (2pcs/19st,with key ring) L K G I M 1 0 0 4 B H 3 8 B H S Clerk key/36 (2pcs/19st,with key ring) L K G I M 1 0 0 4 B H 3 8 B H S Clerk key/36 (2pcs/19st,with key ring) L K G I M 1 0 0 4 B H 4 9 B H S Clerk key/39 (2pcs/19st,with key ring) L K G I M 1 0 0 4 B H 4 1 B H S Clerk key/39 (2pcs/19st,with key ring) L K G I M 1 0 0 4 B H 4 1 B H S Clerk key/39 (2pcs/19st,with key ring) L K G I M 1 0 0 4 B H 4 2 B H S Clerk key/49 (2pcs/19st,with key ring) L K G I M 1 0 0 4 B H 4 2 B H S Clerk key/49 (2pcs/19st,with key ring) L K G I M 1 0 0 4 B H 4 4 B H S Clerk key/49 (2pcs/19st,with key ring) L K G I M 1 0 0 4 B H 4 4 B H S Clerk key/49 (2pcs/19st,with key ring) L K G I M 1 0 0 4 B H 4 5 B H S Clerk key/49 (2pcs/19st,with key ring) L K G I M 1 0 0 4 B H 4 5 B H S Clerk key/49 (2pcs/19st,with key ring) L K G I M 1 0 0 4 B H 4 6 B H S Clerk key/49 (2pcs/19st,with key ring) L K G I M 1 0 0 4 B H 4 7 B H S Clerk key/49 (2pcs/19st,with key ring) L K G I M 1 0 0 4 B H 4 8 B H S Clerk key/49 (2pcs/19st,with key ring) L K G I M 1 0 0 4 B H 4 8 B H S Clerk key/49 (2pcs/19st,with key ring) L K G I M 1 0 0 4 B H 5 5 B H S Clerk key/49 (2pcs/19st,with key ring) L K G I M 1 0 0 4 B H 5 5 B H S Clerk key/49 (2pcs/19st,with key ring) L K G I M 1 0 0 4 B H 5 5 B H S Clerk key/49 (2pcs/19st,with key ring) L K G I M 1 0 0 4 B H 5 5 B H S Clerk key/69 (2pcs/19st,with key ring) L K G I M 1 0 0 4 B H 5 5 B H S Clerk key/69 (2pcs/19st,with key ring) L K G I M 1 0 0 4 B H 5 5 B H S Clerk key/69 (2pcs/19st,with key ring) L K G I M 1 0 0 4 B H 5 5 B H S Clerk key/69 (2pcs/19st,with key ring) L K G I M 1 0 0 4 B H 5 5 B H S Clerk key/69 (2pcs/19st,with key ring) L K G I M 1 0 0 4 B H 5 6 B H S Clerk key/69 (2pcs/19st,w	1					
L K G I M 1 O 4 B H 3 5 BH S Clerk key(34) (2pcs/15et,with key ring) L K G I M 1 O 4 B H 3 5 BH S Clerk key(36) (2pcs/15et,with key ring) L K G I M 1 O 4 B H 3 7 BH S Clerk key(36) (2pcs/15et,with key ring) L K G I M 1 O 4 B H 3 7 BH S Clerk key(36) (2pcs/15et,with key ring) L K G I M 1 O 4 B H 3 9 BH S Clerk key(37) (2pcs/15et,with key ring) L K G I M 1 O 4 B H 3 9 BH S Clerk key(36) (2pcs/15et,with key ring) L K G I M 1 O 4 B H 4 1 BH S Clerk key(36) (2pcs/15et,with key ring) L K G I M 1 O 4 B H 4 1 BH S Clerk key(36) (2pcs/15et,with key ring) L K G I M 1 O 4 B H 4 1 BH S Clerk key(40) (2pcs/15et,with key ring) L K G I M 1 O 4 B H 4 3 BH S Clerk key(40) (2pcs/15et,with key ring) L K G I M 1 O 4 B H 4 3 BH S Clerk key(40) (2pcs/15et,with key ring) L K G I M 1 O 4 B H 4 3 BH S Clerk key(40) (2pcs/15et,with key ring) L K G I M 1 O 4 B H 4 5 BH S Clerk key(40) (2pcs/15et,with key ring) L K G I M 1 O 4 B H 4 5 BH S Clerk key(40) (2pcs/15et,with key ring) L K G I M 1 O 4 B H 4 5 BH S Clerk key(40) (2pcs/15et,with key ring) L K G I M 1 O 4 B H 4 5 BH S Clerk key(40) (2pcs/15et,with key ring) L K G I M 1 O 4 B H 4 5 BH S Clerk key(40) (2pcs/15et,with key ring) L K G I M 1 O 4 B H 4 5 BH S Clerk key(40) (2pcs/15et,with key ring) L K G I M 1 O 4 B H 4 5 BH S Clerk key(40) (2pcs/15et,with key ring) L K G I M 1 O 4 B H 4 5 BH S Clerk key(40) (2pcs/15et,with key ring) L K G I M 1 O 4 B H 4 5 BH S Clerk key(40) (2pcs/15et,with key ring) L K G I M 1 O 4 B H 4 5 BH S Clerk key(40) (2pcs/15et,with key ring) L K G I M 1 O 4 B H 4 5 BH S Clerk key(40) (2pcs/15et,with key ring) L K G I M 1 O 4 B H 4 5 BH S Clerk key(40) (2pcs/15et,with key ring) L K G I M 1 O 4 B H 4 5 BH S Clerk key(40) (2pcs/15et,with key ring) L K G I M 1 O 4 B H 5 5 BH S Clerk key(40) (2pcs/15et,with key ring) L K G I M 1 O 4 B H 5 5 BH S Clerk key(40) (2pcs/15et,with key ring) L K G I M 1 O 4 B H 5 5 BH S Clerk key(40) (2pcs/15et,with key ring) L K G I M 1 O 4 B H 5 5 BH S Clerk key(40) (2pcs/15et,with key ring) L K G I M 1 O 4 B H 5 6 BH S Clerk key(50) (1					
L K G I M 1 O 0 4 B H 3 5 BH S Clerk (key/35) (2)ccs/1 set, with Key (ring) L K G I M 1 O 0 4 B H 3 6 BH S Clerk (key/37) (2)ccs/1 set, with Key (ring) L K G I M 1 O 0 4 B H 3 8 BH S Clerk (key/37) (2)ccs/1 set, with Key (ring) L K G I M 1 O 0 4 B H 3 8 BH S Clerk (key/37) (2)ccs/1 set, with Key (ring) L K G I M 1 O 0 4 B H 4 0 BH S Clerk (key/38) (2)ccs/1 set, with Key (ring) L K G I M 1 O 0 4 B H 4 0 BH S Clerk (key/38) (2)ccs/1 set, with Key (ring) L K G I M 1 O 0 4 B H 4 1 BH S Clerk (key/48) (2)ccs/1 set, with Key (ring) L K G I M 1 O 0 4 B H 4 2 BH S Clerk (key/44) (2)ccs/1 set, with Key (ring) L K G I M 1 O 0 4 B H 4 2 BH S Clerk (key/44) (2)ccs/1 set, with Key (ring) L K G I M 1 O 0 4 B H 4 2 BH S Clerk (key/44) (2)ccs/1 set, with Key (ring) L K G I M 1 O 0 4 B H 4 5 BH S Clerk (key/44) (2)ccs/1 set, with Key (ring) L K G I M 1 O 0 4 B H 4 5 BH S Clerk (key/44) (2)ccs/1 set, with Key (ring) L K G I M 1 O 0 4 B H 4 5 BH S Clerk (key/44) (2)ccs/1 set, with Key (ring) L K G I M 1 O 0 4 B H 4 5 BH S Clerk (key/44) (2)ccs/1 set, with Key (ring) L K G I M 1 O 0 4 B H 4 5 BH S Clerk (key/44) (2)ccs/1 set, with Key (ring) L K G I M 1 O 0 4 B H 4 5 BH S Clerk (key/47) (2)ccs/1 set, with Key (ring) L K G I M 1 O 0 4 B H 4 5 BH S Clerk (key/47) (2)ccs/1 set, with Key (ring) L K G I M 1 O 0 4 B H 4 5 BH S Clerk (key/47) (2)ccs/1 set, with Key (ring) L K G I M 1 O 0 4 B H 4 5 BH S Clerk (key/47) (2)ccs/1 set, with Key (ring) L K G I M 1 O 0 4 B H 4 5 BH S Clerk (key/48) (2)ccs/1 set, with Key (ring) L K G I M 1 O 0 4 B H 5 S BH S Clerk (key/49) (2)ccs/1 set, with Key (ring) L K G I M 1 O 0 4 B H 5 S BH S Clerk (key/49) (2)ccs/1 set, with Key (ring) L K G I M 1 O 0 4 B H 5 S BH S Clerk (key/59) (2)ccs/1 set, with Key (ring) L K G I M 1 O 0 4 B H 5 S BH S Clerk (key/59) (2)ccs/1 set, with Key (ring) L K G I M 1 O 0 4 B H 5 S BH S Clerk (key/59) (2)ccs/1 set, with Key (ring) L K G I M 1 O 0 4 B H 5 S BH S Clerk (key/59) (2)ccs/1 set, with Key (ring) L K G I M 1 O 0 4 B H 5 S BH S Clerk (key/59) (2)ccs/1 set, with Key (
L K G I M 1 O 0 4 B H 3 F B B H S Clerk (key/36) (2)pcs/1 set, with Key ring) L K G I M 1 O 0 4 B H 3 F B B H S Clerk (key/37) (2)pcs/1 set, with Key ring) L K G I M 1 O 0 4 B H 3 F B B H S Clerk (key/38) (2)pcs/1 set, with Key ring) L K G I M 1 O 0 4 B H 4 F B B H S Clerk (key/38) (2)pcs/1 set, with Key ring) L K G I M 1 O 0 4 B H 4 F B B H S Clerk (key/49) (2)pcs/1 set, with Key ring) L K G I M 1 O 0 4 B H 4 F B B H S Clerk (key/40) (2)pcs/1 set, with Key ring) L K G I M 1 O 0 4 B H 4 B B H S Clerk (key/44) (2)pcs/1 set, with Key ring) L K G I M 1 O 0 4 B H 4 B B H S Clerk (key/44) (2)pcs/1 set, with Key ring) L K G I M 1 O 0 4 B H 4 B B H S Clerk (key/44) (2)pcs/1 set, with Key ring) L K G I M 1 O 0 4 B H 4 B B H S Clerk (key/44) (2)pcs/1 set, with Key ring) L K G I M 1 O 0 4 B H 4 B B H S Clerk (key/44) (2)pcs/1 set, with Key ring) L K G I M 1 O 0 4 B H 4 B B H S Clerk (key/44) (2)pcs/1 set, with Key ring) L K G I M 1 O 0 4 B H 4 B B H S Clerk (key/44) (2)pcs/1 set, with Key ring) L K G I M 1 O 0 4 B H 4 B B B S Clerk (key/44) (2)pcs/1 set, with Key ring) L K G I M 1 O 0 4 B H 4 B B B S Clerk (key/46) (2)pcs/1 set, with Key ring) L K G I M 1 O 0 4 B H 4 B B B S Clerk (key/46) (2)pcs/1 set, with Key ring) L K G I M 1 O 0 4 B H 4 B B B S Clerk (key/46) (2)pcs/1 set, with Key ring) L K G I M 1 O 0 4 B H 4 B B B S Clerk (key/46) (2)pcs/1 set, with Key ring) L K G I M 1 O 0 4 B H 5 B B B S Clerk (key/46) (2)pcs/1 set, with Key ring) L K G I M 1 O 0 4 B H 5 B B B S Clerk (key/46) (2)pcs/1 set, with Key ring) L K G I M 1 O 0 4 B H 5 B B B S Clerk (key/46) (2)pcs/1 set, with Key ring) L K G I M 1 O 0 4 B H 5 B B B S Clerk (key/46) (2)pcs/1 set, with Key ring) L K G I M 1 O 0 4 B H 5 B B B S Clerk (key/46) (2)pcs/1 set, with Key ring) L K G I M 1 O 0 4 B H 5 B B B S Clerk (key/46) (2)pcs/1 set, with Key ring) L K G I M 1 O 0 4 B H 5 B B B S Clerk (key/46) (2)pcs/1 set, with Key ring) L K G I M 1 O 0 4 B H 5 B B B S Clerk (key/46) (2)pcs/1 set, with Key ring) L K G I M 1 O 0 4 B H 5 B B B S Clerk (key/56) (2)pcs/1 se	1					
L K G I M 1 0 0 4 B H 3 7 BH S Clerk key/37 (2)cor/1set, with key ring) L K G I M 1 0 0 4 B H 3 8 BH S Clerk key/39 (2)cor/1set, with key ring) L K G I M 1 0 0 4 B H 4 0 BH S Clerk key/39 (2)cor/1set, with key ring) L K G I M 1 0 0 4 B H 4 1 BH S Clerk key/49 (2)cor/1set, with key ring) L K G I M 1 0 0 4 B H 4 2 BH S Clerk key/41 (2)cor/1set, with key ring) L K G I M 1 0 0 4 B H 4 3 BH S Clerk key/42 (2)cor/1set, with key ring) L K G I M 1 0 0 4 B H 4 3 BH S Clerk key/42 (2)cor/1set, with key ring) L K G I M 1 0 0 4 B H 4 5 BH S Clerk key/43 (2)cor/1set, with key ring) L K G I M 1 0 0 4 B H 4 7 BH S Clerk key/43 (2)cor/1set, with key ring) L K G I M 1 0 0 4 B H 4 7 BH S Clerk key/44 (2)cor/1set, with key ring) L K G I M 1 0 0 4 B H 4 7 BH S Clerk key/49 (2)cor/1set, with key ring) L K G I M 1 0 0 4 B H 4 7 BH S Clerk key/49 (2)cor/1set, with key ring) L K G I M 1 0 0 4 B H 4 7 BH S Clerk key/49 (2)cor/1set, with key ring) L K G I M 1 0 0 4 B H 4 7 BH S Clerk key/49 (2)cor/1set, with key ring) L K G I M 1 0 0 4 B H 4 7 BH S Clerk key/49 (2)cor/1set, with key ring) L K G I M 1 0 0 4 B H 5 BH S Clerk key/49 (2)cor/1set, with key ring) L K G I M 1 0 0 4 B H 5 BH S Clerk key/49 (2)cor/1set, with key ring) L K G I M 1 0 0 4 B H 5 BH S Clerk key/69 (2)cor/1set, with key ring) L K G I M 1 0 0 4 B H 5 B BH S Clerk key/69 (2)cor/1set, with key ring) L K G I M 1 0 0 4 B H 5 B BH S Clerk key/69 (2)cor/1set, with key ring) L K G I M 1 0 0 4 B H 5 B BH S Clerk key/69 (2)cor/1set, with key ring) L K G I M 1 0 0 4 B H 5 B BH S Clerk key/69 (2)cor/1set, with key ring) L K G I M 1 0 0 4 B H 5 B BH S Clerk key/69 (2)cor/1set, with key ring) L K G I M 1 0 0 4 B H 5 B BH S Clerk key/69 (2)cor/1set, with key ring) L K G I M 1 0 0 4 B H 5 B BH S Clerk key/69 (2)cor/1set, with key ring) L K G I M 1 0 0 4 B H 5 B BH S Clerk key/69 (2)cor/1set, with key ring) L K G I M 1 0 0 4 B H 5 B BH S Clerk key/69 (2)cor/1set, with key ring) L K G I M 1 0 0 4 B H 5 B BH S Clerk key/69 (2)cor/1set, with key ring) L K G I M 1 0 0 4 B H 6 B BH S Clerk						
L K G I M 1 0 0 4 B H 3 9 BH S Clerk key/39) (2pcs/1set, with key ring) L K G I M 1 0 0 4 B H 4 1 BH S Clerk key/41) (2pcs/1set, with key ring) L K G I M 1 0 0 4 B H 4 2 BH S Clerk key/42) (2pcs/1set, with key ring) L K G I M 1 0 0 4 B H 4 3 BH S Clerk key/42) (2pcs/1set, with key ring) L K G I M 1 0 0 4 B H 4 3 BH S Clerk key/43) (2pcs/1set, with key ring) L K G I M 1 0 0 4 B H 4 5 BH S Clerk key/43) (2pcs/1set, with key ring) L K G I M 1 0 0 4 B H 4 5 BH S Clerk key/44) (2pcs/1set, with key ring) L K G I M 1 0 0 4 B H 4 7 BH S Clerk key/44) (2pcs/1set, with key ring) L K G I M 1 0 0 4 B H 4 7 BH S Clerk key/46) (2pcs/1set, with key ring) L K G I M 1 0 0 4 B H 4 7 BH S Clerk key/46) (2pcs/1set, with key ring) L K G I M 1 0 0 4 B H 4 7 BH S Clerk key/46) (2pcs/1set, with key ring) L K G I M 1 0 0 4 B H 4 8 BH S Clerk key/48) (2pcs/1set, with key ring) L K G I M 1 0 0 4 B H 4 9 BH S Clerk key/49) (2pcs/1set, with key ring) L K G I M 1 0 0 4 B H 5 1 BH S Clerk key/49) (2pcs/1set, with key ring) L K G I M 1 0 0 4 B H 5 5 BH S Clerk key/49) (2pcs/1set, with key ring) L K G I M 1 0 0 4 B H 5 5 BH S Clerk key/59) (2pcs/1set, with key ring) L K G I M 1 0 0 4 B H 5 5 BH S Clerk key/59) (2pcs/1set, with key ring) L K G I M 1 0 0 4 B H 5 5 BH S Clerk key/59) (2pcs/1set, with key ring) L K G I M 1 0 0 4 B H 5 3 BH S Clerk key/59) (2pcs/1set, with key ring) L K G I M 1 0 0 4 B H 5 3 BH S Clerk key/59) (2pcs/1set, with key ring) L K G I M 1 0 0 4 B H 5 3 BH S Clerk key/59) (2pcs/1set, with key ring) L K G I M 1 0 0 4 B H 5 5 BH S Clerk key/59) (2pcs/1set, with key ring) L K G I M 1 0 0 4 B H 5 5 BH S Clerk key/59) (2pcs/1set, with key ring) L K G I M 1 0 0 4 B H 5 7 BH S Clerk key/59) (2pcs/1set, with key ring) L K G I M 1 0 0 4 B H 5 7 BH S Clerk key/59) (2pcs/1set, with key ring) L K G I M 1 0 0 4 B H 5 7 BH S Clerk key/59) (2pcs/1set, with key ring) L K G I M 1 0 0 4 B H 6 7 BH S Clerk key/59) (2pcs/1set, with key ring) L K G I M 1 0 0 4 B H 6 7 BH S Clerk key/59) (2pcs/1set, with key ring) L K G I M 1 0 0 4 B H 6 7 BH S						
L K G I M 1 0 0 4 B H 4 0 B H S Clerk key(40) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 4 2 B B H S Clerk key(42) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 4 2 B B H S Clerk key(42) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 4 3 B H S Clerk key(42) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 4 5 B H S Clerk key(44) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 4 5 B H S Clerk key(44) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 4 5 B H S Clerk key(44) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 4 7 B H S Clerk key(44) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 4 8 B H S Clerk key(47) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 4 8 B H S Clerk key(48) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 4 8 B H S Clerk key(49) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 0 B H S Clerk key(49) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 0 B H S Clerk key(49) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 1 B H S Clerk key(50) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 2 B H S Clerk key(50) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 3 B H S Clerk key(50) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 3 B H S Clerk key(50) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 3 B H S Clerk key(50) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 7 B H S Clerk key(50) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 6 B H S Clerk key(50) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 7 B H S Clerk key(50) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 8 B H S Clerk key(50) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 8 B H S Clerk key(50) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 8 B H S Clerk key(50) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 8 B H S Clerk key(50) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 8 B H S Clerk key(50) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 8 B H S Clerk key(50) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 8 B H S Clerk key(50) (2pcs/1set,with key ring)					S	Clerk key(38) (2pcs/1set,with key ring)
L K G I M 1 0 0 4 B H 4 1 BH S Clerk key(41) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 4 3 BH S Clerk key(42) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 4 3 BH S Clerk key(43) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 4 5 BH S Clerk key(43) (2pcs/1set,with key ring) 1 L K G I M 1 0 0 4 B H 4 5 BH S Clerk key(45) (2pcs/1set,with key ring) 1 L K G I M 1 0 0 4 B H 4 5 BH S Clerk key(45) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 4 7 BH S Clerk key(45) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 4 8 BH S Clerk key(45) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 4 8 BH S Clerk key(46) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 4 9 BH S Clerk key(46) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 0 BH S Clerk key(46) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 1 BH S Clerk key(48) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 2 BH S Clerk key(50) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 3 BH S Clerk key(50) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 3 BH S Clerk key(52) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 3 BH S Clerk key(52) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 5 BH S Clerk key(53) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 6 BH S Clerk key(53) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 6 BH S Clerk key(53) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 6 BH S Clerk key(53) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 6 BH S Clerk key(56) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 6 BH S Clerk key(56) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 6 BH S Clerk key(56) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 6 BH S Clerk key(56) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 7 BH S Clerk key(56) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 7 BH S Clerk key(56) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 7 BH S Clerk key(56) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 7 BH S Clerk key(56) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 7						
L K G i M 1 0 0 4 B H 4 2 BH S Clerk key(42) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 4 3 BH S Clerk key(43) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 4 5 BH S Clerk key(44) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 4 5 BH S Clerk key(44) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 4 5 BH S Clerk key(44) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 4 7 BH S Clerk key(46) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 4 7 BH S Clerk key(47) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 4 9 BH S Clerk key(48) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 5 0 BH S Clerk key(48) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 5 1 BH S Clerk key(48) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 5 1 BH S Clerk key(50) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 5 3 BH S Clerk key(50) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 5 3 BH S Clerk key(50) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 5 3 BH S Clerk key(50) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 5 5 BH S Clerk key(50) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 5 6 BH S Clerk key(50) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 5 6 BH S Clerk key(50) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 5 6 BH S Clerk key(50) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 5 6 BH S Clerk key(50) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 5 6 BH S Clerk key(50) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 6 BH S Clerk key(50) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 6 BH S Clerk key(50) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 6 BH S Clerk key(60) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 8 BH S Clerk key(60) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 8 BH S Clerk key(60) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 8 BH S Clerk key(60) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 8 BH S Clerk key(60) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 8 BH S Clerk key(60) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 8 BH S Clerk key(60) (2pcs/1set,wi						
L K G I M 1 0 0 4 B H 4 3 B H S Clerk key(45) (20cs/1set,with key ring) L K G I M 1 0 0 4 B H 4 5 B H S Clerk key(44) (20cs/1set,with key ring) 1 L K G I M 1 0 0 4 B H 4 5 B H S Clerk key(45) (20cs/1set,with key ring) L K G I M 1 0 0 4 B H 4 7 B H S Clerk key(46) (20cs/1set,with key ring) L K G I M 1 0 0 4 B H 4 7 B H S Clerk key(46) (20cs/1set,with key ring) L K G I M 1 0 0 4 B H 4 8 B H S Clerk key(46) (20cs/1set,with key ring) L K G I M 1 0 0 4 B H 5 B B H S Clerk key(46) (20cs/1set,with key ring) L K G I M 1 0 0 4 B H 5 0 B H S Clerk key(46) (20cs/1set,with key ring) L K G I M 1 0 0 4 B H 5 0 B H S Clerk key(56) (20cs/1set,with key ring) L K G I M 1 0 0 4 B H 5 2 B H S Clerk key(56) (20cs/1set,with key ring) L K G I M 1 0 0 4 B H 5 2 B H S Clerk key(56) (20cs/1set,with key ring) L K G I M 1 0 0 4 B H 5 3 B H S Clerk key(56) (20cs/1set,with key ring) L K G I M 1 0 0 4 B H 5 4 B H S Clerk key(56) (20cs/1set,with key ring) L K G I M 1 0 0 4 B H 5 5 B H S Clerk key(56) (20cs/1set,with key ring) L K G I M 1 0 0 4 B H 5 6 B H S Clerk key(56) (20cs/1set,with key ring) L K G I M 1 0 0 4 B H 5 7 B H S Clerk key(56) (20cs/1set,with key ring) L K G I M 1 0 0 4 B H 5 8 B H S Clerk key(56) (20cs/1set,with key ring) L K G I M 1 0 0 4 B H 5 8 B H S Clerk key(56) (20cs/1set,with key ring) L K G I M 1 0 0 4 B H 5 8 B H S Clerk key(56) (20cs/1set,with key ring) L K G I M 1 0 0 4 B H 5 8 B H S Clerk key(56) (20cs/1set,with key ring) L K G I M 1 0 0 4 B H 6 8 B H S Clerk key(56) (20cs/1set,with key ring) L K G I M 1 0 0 4 B H 6 8 B H S Clerk key(56) (20cs/1set,with key ring) L K G I M 1 0 0 4 B H 6 8 B H S Clerk key(56) (20cs/1set,with key ring) L K G I M 1 0 0 4 B H 6 8 B H S Clerk key(66) (20cs/1set,with key ring) L K G I M 1 0 0 4 B H 6 8 B H S Clerk key(66) (20cs/1set,with key ring) L K G I M 1 0 0 4 B H 6 8 B H S Clerk key(66) (20cs/1set,with key ring) L K G I M 1 0 0 4 B H 6 7 B H S Clerk key(66) (20cs/1set,with key ring) L K G I M 1 0 0 4 B H 6 8 B H S Clerk key(66) (20cs/1set,with key ring)	l					
L K G I M 1 0 0 4 B H 4 4 B H S Clerk key(45) (2pcs/1set,with key ring) 1 L K G I M 1 0 0 4 B H 4 5 B H S Clerk key(46) (2pcs/1set,with key ring) 1 L K G I M 1 0 0 4 B H 4 7 B B H S Clerk key(46) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 4 8 B B H S Clerk key(46) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 4 8 B B H S Clerk key(46) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 4 9 B B H S Clerk key(46) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 0 B H S Clerk key(48) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 1 B H S Clerk key(50) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 2 B H S Clerk key(50) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 3 B H S Clerk key(50) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 3 B H S Clerk key(50) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 5 B H S Clerk key(50) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 5 B H S Clerk key(50) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 5 B H S Clerk key(50) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 5 B H S Clerk key(50) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 5 B H S Clerk key(50) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 5 B H S Clerk key(50) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 5 B H S Clerk key(50) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 7 B H S Clerk key(50) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 1 B H S Clerk key(50) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 1 B H S Clerk key(60) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 1 B H S Clerk key(60) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 1 B H S Clerk key(60) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 1 B H S Clerk key(60) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 1 B H S Clerk key(60) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 1 B H S Clerk key(60) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 5 B H S Clerk key(60) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 5 B H S Clerk key(60) (2pcs/1set,with k	1					
L K G i M 1 0 0 4 B H 4 5 B B						
L K G i M 1 0 0 4 B H 4 7 BH S Clerk key(48) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 4 8 BH S Clerk key(48) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 4 9 BH S Clerk key(48) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 5 0 BH S Clerk key(49) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 5 0 BH S Clerk key(50) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 5 2 BH S Clerk key(50) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 5 3 BH S Clerk key(52) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 5 3 BH S Clerk key(53) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 5 5 BH S Clerk key(54) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 5 5 BH S Clerk key(54) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 5 5 BH S Clerk key(55) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 5 6 BH S Clerk key(55) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 5 7 BH S Clerk key(57) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 0 BH S Clerk key(57) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 0 BH S Clerk key(60) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 3 BH S Clerk key(60) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 3 BH S Clerk key(60) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 3 BH S Clerk key(60) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 3 BH S Clerk key(60) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 3 BH S Clerk key(60) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 6 BH S Clerk key(65) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 6 BH S Clerk key(65) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 7 BH S Clerk key(66) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 7 BH S Clerk key(67) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 7 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 B BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 B BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 B BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 B BH S Clerk key(77) (2pcs/1set,wi	1					
L K G I M 1 0 0 4 B H 4 9 BH S Clerk key(48) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 4 9 BH S Clerk key(49) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 1 BH S Clerk key(50) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 2 BH S Clerk key(51) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 3 BH S Clerk key(52) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 3 BH S Clerk key(52) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 4 BH S Clerk key(52) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 5 BH S Clerk key(52) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 6 BH S Clerk key(52) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 6 BH S Clerk key(52) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 9 BH S Clerk key(52) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 9 BH S Clerk key(52) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 0 BH S Clerk key(52) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 1 BH S Clerk key(52) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 1 BH S Clerk key(52) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 1 BH S Clerk key(52) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 2 BH S Clerk key(62) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 3 BH S Clerk key(63) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 6 BH S Clerk key(63) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 6 BH S Clerk key(63) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 6 BH S Clerk key(63) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 6 BH S Clerk key(63) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 7 BH S Clerk key(63) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 7 BH S Clerk key(69) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 7 BH S Clerk key(69) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 7 BH S Clerk key(69) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 7 7 BH S Clerk key(69) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 7 7 BH S Clerk key(79) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 7 7 BH S Clerk key(77) (2pcs/1set,wi	1					Clerk key(46) (2pcs/1set,with key ring)
L K G I M 1 0 0 4 B H 4 9 BH S Clerk key(50) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 0 BH S Clerk key(51) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 1 BH S Clerk key(51) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 2 BH S Clerk key(52) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 3 BH S Clerk key(52) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 4 BH S Clerk key(52) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 5 BH S Clerk key(53) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 7 BH S Clerk key(55) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 7 BH S Clerk key(52) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 9 BH S Clerk key(52) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 1 BH S Clerk key(59) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 1 BH S Clerk key(62) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 2 BH S Clerk key(62) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 2 BH S Clerk key(62) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 3 BH S Clerk key(63) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 3 BH S Clerk key(63) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 6 BH S Clerk key(64) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 6 BH S Clerk key(65) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 6 BH S Clerk key(64) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 6 BH S Clerk key(65) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 6 BH S Clerk key(66) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 7 BH S Clerk key(66) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 7 BH S Clerk key(66) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 7 7 BH S Clerk key(67) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 7 7 BH S Clerk key(67) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 7 7 BH S Clerk key(77) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 7 7 BH S Clerk key(77) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 7 7 BH S Clerk key(77) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 7 7 BH S Clerk key(77) (2pcs/1set,wi	1		-			
L K G I M 1 0 0 4 B H 5 0 B H S Clerk key(50) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 1 B H S Clerk key(52) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 2 B H S Clerk key(52) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 3 B H S Clerk key(52) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 4 B H S Clerk key(54) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 5 B H S Clerk key(54) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 6 B H S Clerk key(55) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 7 B H S Clerk key(56) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 9 B H S Clerk key(57) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 1 B H S Clerk key(59) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 1 B H S Clerk key(59) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 1 B H S Clerk key(59) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 3 B H S Clerk key(60) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 3 B H S Clerk key(62) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 3 B H S Clerk key(62) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 5 B H S Clerk key(64) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 5 B H S Clerk key(64) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 5 B H S Clerk key(64) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 6 B B S Clerk key(64) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 8 B H S Clerk key(66) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 8 B H S Clerk key(66) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 7 B H S Clerk key(69) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 7 B H S Clerk key(69) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 7 B H S Clerk key(69) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 7 7 B H S Clerk key(77) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 7 7 B H S Clerk key(77) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 7 7 B H S Clerk key(77) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 7 7 B H S Clerk key(77) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 7 8 B H	1					
L K G I M 1 0 0 4 B H 5 1 BH S Clerk key(51) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 2 BH S Clerk key(52) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 3 BH S Clerk key(53) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 4 BH S Clerk key(54) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 5 BH S Clerk key(54) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 6 BH S Clerk key(56) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 7 BH S Clerk key(57) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 7 BH S Clerk key(57) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 0 BH S Clerk key(59) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 1 BH S Clerk key(60) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 3 BH S Clerk key(61) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 3 BH S Clerk key(63) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 3 BH S Clerk key(63) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 8 BH S Clerk key(63) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 8 BH S Clerk key(63) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 8 BH S Clerk key(66) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 8 BH S Clerk key(66) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 8 BH S Clerk key(66) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 8 BH S Clerk key(68) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 8 BH S Clerk key(69) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 8 BH S Clerk key(69) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 7 1 BH S Clerk key(69) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 7 1 BH S Clerk key(71) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 7 1 BH S Clerk key(72) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 7 8 BH S Clerk key(72) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 7 8 BH S Clerk key(73) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 7 8 BH S Clerk key(74) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 7 8 BH S Clerk key(74) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 7 8 BH S Clerk key(74) (2pcs/1set,wi						
L K G i M 1 0 0 4 B H 5 2 BH S Clerk key(52) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 5 3 BH S Clerk key(53) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 5 5 BH S Clerk key(55) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 5 5 BH S Clerk key(55) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 5 7 BH S Clerk key(55) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 5 9 BH S Clerk key(59) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 5 9 BH S Clerk key(59) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 1 BH S Clerk key(60) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 1 BH S Clerk key(60) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 2 BH S Clerk key(62) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 3 BH S Clerk key(62) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 3 BH S Clerk key(62) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 4 BH S Clerk key(63) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 5 BH S Clerk key(63) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 6 BH S Clerk key(63) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 7 BH S Clerk key(65) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 7 BH S Clerk key(66) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 7 BH S Clerk key(66) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 8 BH S Clerk key(66) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 7 BH S Clerk key(66) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 0 BH S Clerk key(67) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 1 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 3 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 3 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 5 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(78) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(78) (2pcs/1set,wi						
L K G i M 1 0 0 4 B H 5 3 BH S Clerk key(53) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 5 5 BH S Clerk key(55) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 5 6 BH S Clerk key(55) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 5 7 BH S Clerk key(55) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 5 9 BH S Clerk key(59) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 9 BH S Clerk key(59) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 1 BH S Clerk key(59) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 1 BH S Clerk key(60) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 2 BH S Clerk key(61) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 2 BH S Clerk key(62) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 3 BH S Clerk key(62) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 5 BH S Clerk key(62) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 5 BH S Clerk key(63) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 5 BH S Clerk key(64) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 7 BH S Clerk key(65) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 7 BH S Clerk key(66) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 8 BH S Clerk key(66) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 8 BH S Clerk key(66) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 7 BH S Clerk key(67) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 7 BH S Clerk key(67) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 7 BH S Clerk key(67) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 1 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 3 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 3 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 4 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 4 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(78) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(79) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(79) (2pcs/1set,wi						
L K G i M 1 0 0 4 B H 5 5 BH S Clerk key(55) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 5 7 BH S Clerk key(57) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 5 7 BH S Clerk key(57) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 5 9 BH S Clerk key(57) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 0 BH S Clerk key(69) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 1 BH S Clerk key(69) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 2 BH S Clerk key(69) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 3 BH S Clerk key(62) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 3 BH S Clerk key(63) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 5 BH S Clerk key(64) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 6 BH S Clerk key(64) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 6 BH S Clerk key(66) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 6 BH S Clerk key(66) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 8 BH S Clerk key(66) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 9 BH S Clerk key(66) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 9 BH S Clerk key(66) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 0 BH S Clerk key(69) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 1 BH S Clerk key(67) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 3 BH S Clerk key(70) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 3 BH S Clerk key(71) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 5 BH S Clerk key(73) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 5 BH S Clerk key(73) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 5 BH S Clerk key(73) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 5 BH S Clerk key(73) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 5 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 7 BH S Clerk key(76) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(76) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(76) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(76) (2pcs/1set,wi		LKGIM1004BH53	BH		S	
L K G i M 1 0 0 4 B H 5 6 BH S Clerk key(56) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 5 7 BH S Clerk key(57) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 5 7 BH S Clerk key(59) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 0 BH S Clerk key(60) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 1 BH S Clerk key(60) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 2 BH S Clerk key(61) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 3 BH S Clerk key(62) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 4 BH S Clerk key(63) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 5 BH S Clerk key(64) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 6 BH S Clerk key(65) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 7 BH S Clerk key(65) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 8 BH S Clerk key(66) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 9 BH S Clerk key(66) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 9 BH S Clerk key(66) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 0 BH S Clerk key(69) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 0 BH S Clerk key(70) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 1 BH S Clerk key(70) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 2 BH S Clerk key(70) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 3 BH S Clerk key(70) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 3 BH S Clerk key(73) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 4 BH S Clerk key(73) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 5 BH S Clerk key(73) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 6 BH S Clerk key(73) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 7 BH S Clerk key(73) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(76) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(78) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(78) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(78) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(78) (2pcs/1set,wi	1					
L K G I M 1 0 0 4 B H 5 7 BH S Clerk key(57) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 5 9 BH S Clerk key(59) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 0 BH S Clerk key(60) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 1 BH S Clerk key(60) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 2 BH S Clerk key(62) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 3 BH S Clerk key(62) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 4 BH S Clerk key(62) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 5 BH S Clerk key(65) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 6 BH S Clerk key(65) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 7 BH S Clerk key(66) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 8 BH S Clerk key(66) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 6 9 BH S Clerk key(66) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 7 1 BH S Clerk key(69) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 7 2 BH S Clerk key(70) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 7 3 BH S Clerk key(71) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 7 3 BH S Clerk key(71) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 7 5 BH S Clerk key(73) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 7 5 BH S Clerk key(74) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 7 5 BH S Clerk key(73) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 7 5 BH S Clerk key(74) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 7 5 BH S Clerk key(76) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 7 6 BH S Clerk key(77) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 7 8 BH S Clerk key(78) (2pcs/1set,with key ring) L K G I M 1 0 0 4 B H 7 8 BH S Clerk key(78) (2pcs/1set,with key ring)	1					
L K G i M 1 0 0 4 B H 5 9 BH S Clerk key(59) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 0 BH S Clerk key(60) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 1 BH S Clerk key(61) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 2 BH S Clerk key(62) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 3 BH S Clerk key(63) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 4 BH S Clerk key(64) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 5 BH S Clerk key(64) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 6 BH S Clerk key(66) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 7 BH S Clerk key(66) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 9 BH S Clerk key(68) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 0 BH S Clerk key(68) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 1 BH S Clerk key(70) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 3 BH S Clerk key(71) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 3 BH S Clerk key(72) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 4 BH S Clerk key(75) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 5 BH S Clerk key(75) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 5 BH S Clerk key(75) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 5 BH S Clerk key(75) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 5 BH S Clerk key(75) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set,with key ring)	1					
L K G i M 1 0 0 4 B H 6 0 BH S Clerk key(60) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 1 BH S Clerk key(61) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 2 BH S Clerk key(62) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 3 BH S Clerk key(63) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 4 BH S Clerk key(64) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 5 BH S Clerk key(66) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 6 BH S Clerk key(66) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 7 BH S Clerk key(66) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 8 BH S Clerk key(67) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 8 BH S Clerk key(68) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 9 BH S Clerk key(68) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 0 BH S Clerk key(69) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 1 BH S Clerk key(70) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 2 BH S Clerk key(71) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 4 BH S Clerk key(72) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 5 BH S Clerk key(73) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 5 BH S Clerk key(73) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 6 BH S Clerk key(75) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(779) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(779) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(779) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(779) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(779) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(799) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(799) (2pcs/1set,with key ring)	1					
L K G i M 1 0 0 4 B H 6 1 BH S Clerk key(61) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 2 BH S Clerk key(62) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 3 BH S Clerk key(64) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 4 BH S Clerk key(64) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 5 BH S Clerk key(65) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 6 BH S Clerk key(65) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 7 BH S Clerk key(66) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 8 BH S Clerk key(67) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 9 BH S Clerk key(68) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 0 BH S Clerk key(69) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 1 BH S Clerk key(70) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 2 BH S Clerk key(71) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 3 BH S Clerk key(72) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 3 BH S Clerk key(72) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 3 BH S Clerk key(72) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 4 BH S Clerk key(73) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 5 BH S Clerk key(74) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 6 BH S Clerk key(75) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 7 BH S Clerk key(75) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(75) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(75) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(76) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(776) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(776) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(776) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(776) (2pcs/1set,with key ring)	1					
L K G i M 1 0 0 4 B H 6 2 BH S Clerk key(62) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 3 BH S Clerk key(63) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 4 BH S Clerk key(64) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 5 BH S Clerk key(65) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 6 BH S Clerk key(66) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 7 BH S Clerk key(66) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 8 BH S Clerk key(68) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 9 BH S Clerk key(69) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 0 BH S Clerk key(69) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 1 BH S Clerk key(70) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 2 BH S Clerk key(71) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 3 BH S Clerk key(72) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 4 BH S Clerk key(73) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 5 BH S Clerk key(74) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 6 BH S Clerk key(75) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 7 BH S Clerk key(76) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(76) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(76) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(76) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(776) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(776) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(776) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(776) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 9 BH S Clerk key(776) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 9 BH S Clerk key(776) (2pcs/1set,with key ring)	1					
L K G i M 1 0 0 4 B H 6 4 BH S Clerk key(64) (2pcs/1set, with key ring) L K G i M 1 0 0 4 B H 6 5 BH S Clerk key(65) (2pcs/1set, with key ring) L K G i M 1 0 0 4 B H 6 6 BH S Clerk key(66) (2pcs/1set, with key ring) L K G i M 1 0 0 4 B H 6 7 BH S Clerk key(67) (2pcs/1set, with key ring) L K G i M 1 0 0 4 B H 6 8 BH S Clerk key(67) (2pcs/1set, with key ring) L K G i M 1 0 0 4 B H 6 9 BH S Clerk key(69) (2pcs/1set, with key ring) L K G i M 1 0 0 4 B H 7 0 BH S Clerk key(70) (2pcs/1set, with key ring) L K G i M 1 0 0 4 B H 7 1 BH S Clerk key(70) (2pcs/1set, with key ring) L K G i M 1 0 0 4 B H 7 2 BH S Clerk key(71) (2pcs/1set, with key ring) L K G i M 1 0 0 4 B H 7 3 BH S Clerk key(72) (2pcs/1set, with key ring) L K G i M 1 0 0 4 B H 7 4 BH S Clerk key(73) (2pcs/1set, with key ring) L K G i M 1 0 0 4 B H 7 5 BH S Clerk key(74) (2pcs/1set, with key ring) L K G i M 1 0 0 4 B H 7 5 BH S Clerk key(75) (2pcs/1set, with key ring) L K G i M 1 0 0 4 B H 7 6 BH S Clerk key(76) (2pcs/1set, with key ring) L K G i M 1 0 0 4 B H 7 7 BH S Clerk key(76) (2pcs/1set, with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set, with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set, with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set, with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set, with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set, with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set, with key ring) L K G i M 1 0 0 4 B H 7 9 BH S Clerk key(77) (2pcs/1set, with key ring)	1	LKG1M1004BH62	ВН		S	Clerk key(62) (2pcs/1set,with key ring)
L K G i M 1 0 0 4 B H 6 5 BH S Clerk key(65) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 6 BH S Clerk key(66) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 7 BH S Clerk key(67) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 8 BH S Clerk key(68) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 9 BH S Clerk key(68) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 0 BH S Clerk key(69) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 1 BH S Clerk key(70) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 2 BH S Clerk key(72) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 3 BH S Clerk key(72) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 4 BH S Clerk key(73) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 5 BH S Clerk key(75) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 6 BH S Clerk key(75) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 7 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(79) (2pcs/1set,with key ring)	1					Clerk key(63) (2pcs/1set,with key ring)
L K G i M 1 0 0 4 B H 6 6 BH S Clerk key(66) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 7 BH S Clerk key(67) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 8 BH S Clerk key(68) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 9 BH S Clerk key(69) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 0 BH S Clerk key(70) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 1 BH S Clerk key(70) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 2 BH S Clerk key(71) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 3 BH S Clerk key(73) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 4 BH S Clerk key(73) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 5 BH S Clerk key(74) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 6 BH S Clerk key(75) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 7 BH S Clerk key(76) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(79) (2pcs/1set,with key ring)						
L K G i M 1 0 0 4 B H 6 7 BH S Clerk key(67) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 8 BH S Clerk key(68) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 9 BH S Clerk key(69) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 0 BH S Clerk key(70) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 1 BH S Clerk key(71) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 2 BH S Clerk key(72) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 3 BH S Clerk key(73) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 4 BH S Clerk key(74) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 5 BH S Clerk key(74) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 5 BH S Clerk key(75) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 6 BH S Clerk key(76) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(79) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(79) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(79) (2pcs/1set,with key ring)	1					
L K G i M 1 0 0 4 B H 6 8 BH S Clerk key(68) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 6 9 BH S Clerk key(69) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 0 BH S Clerk key(70) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 1 BH S Clerk key(71) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 2 BH S Clerk key(72) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 3 BH S Clerk key(72) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 4 BH S Clerk key(74) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 5 BH S Clerk key(75) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 6 BH S Clerk key(75) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 7 BH S Clerk key(76) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(78) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(78) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set,with key ring)	1					
L K G i M 1 0 0 4 B H 6 9 BH S Clerk key(69) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 0 BH S Clerk key(70) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 1 BH S Clerk key(71) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 2 BH S Clerk key(72) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 3 BH S Clerk key(72) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 4 BH S Clerk key(74) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 5 BH S Clerk key(75) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 6 BH S Clerk key(75) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 7 BH S Clerk key(76) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 9 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 9 BH S Clerk key(79) (2pcs/1set,with key ring)	1					
L K G i M 1 0 0 4 B H 7 0 BH S Clerk key(70) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 1 BH S Clerk key(71) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 2 BH S Clerk key(72) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 3 BH S Clerk key(73) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 4 BH S Clerk key(74) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 5 BH S Clerk key(75) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 6 BH S Clerk key(76) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 7 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(78) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 9 BH S Clerk key(79) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 9 BH S Clerk key(79) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 9 BH S Clerk key(79) (2pcs/1set,with key ring)	1					
L K G i M 1 0 0 4 B H 7 1 BH S Clerk key(71) (2pcs/1set, with key ring) L K G i M 1 0 0 4 B H 7 2 BH S Clerk key(72) (2pcs/1set, with key ring) L K G i M 1 0 0 4 B H 7 3 BH S Clerk key(73) (2pcs/1set, with key ring) L K G i M 1 0 0 4 B H 7 4 BH S Clerk key(74) (2pcs/1set, with key ring) L K G i M 1 0 0 4 B H 7 5 BH S Clerk key(75) (2pcs/1set, with key ring) L K G i M 1 0 0 4 B H 7 6 BH S Clerk key(76) (2pcs/1set, with key ring) L K G i M 1 0 0 4 B H 7 7 BH S Clerk key(77) (2pcs/1set, with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(78) (2pcs/1set, with key ring) L K G i M 1 0 0 4 B H 7 9 BH S Clerk key(79) (2pcs/1set, with key ring) L K G i M 1 0 0 4 B H 7 9 BH S Clerk key(79) (2pcs/1set, with key ring)	1					
L K G i M 1 0 0 4 B H 7 3 BH S Clerk key(73) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 4 BH S Clerk key(74) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 5 BH S Clerk key(75) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 6 BH S Clerk key(76) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 7 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(78) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 9 BH S Clerk key(79) (2pcs/1set,with key ring)	1				S	Clerk key(71) (2pcs/1set,with key ring)
L K G i M 1 0 0 4 B H 7 4 BH S Clerk key(74) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 5 BH S Clerk key(75) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 6 BH S Clerk key(76) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 7 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 9 BH S Clerk key(79) (2pcs/1set,with key ring)	1					
L K G i M 1 0 0 4 B H 7 5 BH S Clerk key(75) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 6 BH S Clerk key(76) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 7 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(78) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 9 BH S Clerk key(79) (2pcs/1set,with key ring)	1					
L K G i M 1 0 0 4 B H 7 6 BH S Clerk key(76) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 7 BH S Clerk key(77) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(78) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 9 BH S Clerk key(79) (2pcs/1set,with key ring)	1					
L K G i M 1 0 0 4 B H 7 7 BH S Clerk key(77) (2pcs/1set, with key ring) L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(78) (2pcs/1set, with key ring) L K G i M 1 0 0 4 B H 7 9 BH S Clerk key(79) (2pcs/1set, with key ring)	1					
L K G i M 1 0 0 4 B H 7 8 BH S Clerk key(78) (2pcs/1set,with key ring) L K G i M 1 0 0 4 B H 7 9 BH S Clerk key(79) (2pcs/1set,with key ring)	1					
	1	LK G i M 1 0 0 4 B H 7 8				
LKGiM1004BH80 BH S Clerk key(80) (2pcs/1set, with key ring)	1					
	<u></u>	LKGiM1004BH80	BH		S	Clerk key(80) (2pcs/1set,with key ring)



15 Service options & Service tools

	service options &				
NO.	PARTS CODE	PRICE		PART	DESCRIPTION
INO.		RANK	MARK	RANK	
	LKG i M 1 0 0 4 B H 8 1	BH		S	Clerk key(81) (2pcs/1set,with key ring)
	LKG i M 1 0 0 4 B H 8 2	BH		S	Clerk key(82) (2pcs/1set,with key ring)
	LKG i M 1 0 0 4 B H 8 3	BH		S	Clerk key(83) (2pcs/1set,with key ring)
	LKG i M 1 0 0 4 B H 8 4	BH		S	Clerk key(84) (2pcs/1set,with key ring)
1	LKG i M1004BH85	BH		S	Clerk key(85) (2pcs/1set,with key ring)
1	LKG M1004BH86	BH		S	Clerk key(86) (2pcs/1set,with key ring)
	LKG i M1 0 0 4 BH 8 7	BH		S	Clerk key(87) (2pcs/1set,with key ring)
	LKG M1004BH88	BH		S	Clerk key(88) (2pcs/1set,with key ring)
	LKG i M1 0 0 4 BH 8 9	BH		s	Clerk key(89) (2pcs/1set,with key ring)
	LKG M1 0 0 4 B H 9 0	BH			
				S	Clerk key(90) (2pcs/1set,with key ring)
	LKG i M1 0 0 4 B H 9 1	ВН		S	Clerk key(91) (2pcs/1set,with key ring)
	LKG i M1 0 0 4 B H 9 2	BH	ļ	S	Clerk key(92) (2pcs/1set,with key ring)
	LKG i M1004BH93	BH	· .	S	Clerk key(93) (2pcs/1set,with key ring)
	LKG i M1004BH94	BH		S	Clerk key(94) (2pcs/1set,with key ring)
1	LKG i M 1 0 0 4 B H 9 5	BH		S	Clerk key(95) (2pcs/1set,with key ring)
1	LKG i M1004BH96	BH		S	Clerk key(96) (2pcs/1set,with key ring)
	LKG i M1004BH97	BH		S	Clerk key(97) (2pcs/1set,with key ring)
	LKG M1004BH98	ВН		S	Clerk key(98) (2pcs/1set,with key ring)
	LKG M1 0 0 4 BH 9 9	BH		S	Clerk key(99) (2pcs/1set,with key ring)
	LKG M1004BH00	ВН	-	S	Clerk key(100) (2pcs/1set,with key ring)
1	LKG IM1004BHA1	ВН		S	Clerk key(101) (2pcs/1set,with key ring)
Į.	LKGIM1004BHA2	BH	 	S	Clerk key(102) (2pcs/1set,with key ring)
1	LKG IM1004BHA3	BH		S	Clerk key(103) (2pcs/1set,with key ring)
1 '	LKG i M1004BHA4	BH		S	Clerk key(104) (2pcs/1set,with key ring)
ŀ	LKGIM1004BHA5	BH		S	Clerk key(105) (2pcs/1set,with key ring)
	LKGIM1004BHA6	BH		S	Clerk key(106) (2pcs/1set,with key ring)
	LKG i M1004BHA7	BH		S	Clerk key(107) (2pcs/1set,with key ring)
	LKGIM1004BHA8	BH		S	Clerk key(108) (2pcs/1set,with key ring)
	LKG IM1004BHA9	BH		S	Clerk key(109) (2pcs/1set,with key ring)
	LKG M1004BHA0	BH		S	Clerk key(110) (2pcs/1set,with key ring)
	LKG M1004BHB1	BH		S	Clerk key(111) (2pcs/1set,with key ring)
	LKG M1004BHB2	BH		S	Clerk key(112) (2pcs/1set,with key ring)
			_		
1	LKG IM1004BHB3	BH		S	Clerk key(113) (2pcs/1set, with key ring)
1	LKG M1004BHB4	BH		S	Clerk key(114) (2pcs/1set,with key ring)
	LKG M1004BHB5	BH		S	Clerk key(115) (2pcs/1set,with key ring)
1	LKG i M1004BHB6	BH		S	Clerk key(116) (2pcs/1set,with key ring)
1	LKG i M1004BHB7	BH		S	Clerk key(117) (2pcs/1set,with key ring)
	LKGIM1004BHB8	BH		S	Clerk key(118) (2pcs/1set,with key ring)
	LKGIM1004BHB9	BH		S	Clerk key(119) (2pcs/1set,with key ring)
	LKG i M1004BHB0	BH		S	Clerk key(120) (2pcs/1set,with key ring)
1	LKGIM1004BHC1	BH		S	Clerk key(121) (2pcs/1set,with key ring)
1	LKGIM1004BHC2	BH		S	Clerk key(122) (2pcs/1set,with key ring)
1	LKG IM1004BHC3	BH		S	Clerk key(123) (2pcs/1set,with key ring)
1	LKGIM1004BHC4	BH		S	Clerk key(124) (2pcs/1set,with key ring)
1	LKG IM1004BHC5	BH		S	Clerk key(125) (2pcs/1set,with key ring)
					
-	LKG M1004BHC6	BH		S	Clerk key(126) (2pcs/1set,with key ring)
	LKG i M7126BHZZ	AX		S	Mode key grip cover (for MA key only)
	GCOVB7109BHZZ	BF		S	Normal key cover [UP-600]
	GCOVB7108BHZZ	BA	N	S	Dripproof mode s/w cover
	GCOVB7110BHSA	BG	N	S	Dripproof preset key cover [UP-600]
6	DK i T - 8669BHZZ			S	One hole cashier key [UP-600]
	DK i T - 3 4 0 9 B H Z Z	AP	N	S	Drawer separation kit [KA,KB]
101	LKG i M7113BHZZ	AF		S	Service key
	UKOG-6705RCZZ	BC		S	RS-232 loop back connector (for RS232 D-SUB 9)in connector)
	UKOG-6729BHZZ	AZ	<u> </u>	S	RS232 moduler jack loop back connector (for RS232 RJ45 Moduler jack connector)
	CKOG-6708RCZZ	BU	<u> </u>	S	Expansion PWB (ER-A5RS or ER-01EF)
	UKOG-2357RCZZ	BL		S	MCR test card (for UP-E13MR)
	UKOG-6634RCZZ	AX	ļ	S	Key top remover (for UP-600 only)
	UKOG-6725BHZZ	BB			
107	0V00-8/528H77	88	-	S	Key top installing jig (2×2) (for 2×2 key top)
			-		
		ļ			
	1	1			



■ Index					
PARTS CODE	NO.	PRICE	NEW	PART	
	110.	RANK	MARK	RANK	
[C] CCABM2563BHZZ	4- 2	BK	N		
CCAS-6678BH01	4- 2 4-501	BF	14	D E	
CFRM-6682BH02	4-504	AQ		Ē	
CFRM-6683BH01	4- 16	AW		D	
CKG i M2 4 21 BH 0 1	5- 17	AR	N	В	
CKG i M2 4 2 1 BH 0 2	5- 17	AR	N	В	
CKG i M2 4 2 1 BH 0 3	5- 17	AR	N	В	
CKG i M2 4 2 1 BH 0 4	5- 17	AR	N	В	
CKG i M2421BH05	5- 17	AR	N	В	
CKG i M2 4 21 BH 0 6	5- 17	AR	N	В	
CKG i M2421BH07	5- 17	AR	N	В	
CKG i M2 4 2 1 BH 0 8	5- 17	AR	N	В	
CKG i M2 4 21 BH 0 9	5- 17	AR	N	В	
CKG i M2 4 2 1 BH 1 0	5- 17	AR	N	8	
CKG i M2 4 21 BH 1 1 CKG i M2 4 21 BH 1 2	5- 17	AR	N	В	
CKOG-6708RCZZ	5- 17	AE	N	В	
CLOK-6683BH08	15-104	BU	N	S	
CPLU-6641BH06	4-503 4- 15	AY	N	В	
CPWBF2891BH01		BR	N	E	
// CFWBF2691BRU1	1- 2 2- 2	BR	N	E	-
	11-901	BR	N	E	<u> </u>
CPWBN2881BH01	3- 34	BK	N	E	
//	9-901	BK	N	E	
CPWBN2882BH01	3- 33	BH	N	E	
//	10-901	BH	N	Ē	
CPWBN2885BH01	1- 29	BS	N	Ē	
"	8-901	BS	N	E	
CPWBN2885BH02	2- 29	BS	N	E	
//	8-901	BS	N	E	
CPWBN2889BH01	1- 7	BF	N	E	
//	2- 7	BF	N	Е	
//	13-901	BF	N	Е	
CPWBX2884BH01	3- 19	CT	N	E	
"	6-901	CT	N	E	
CPWBX2886BH01	3- 21	BS	N	E	
"	7-901	BS	N	E	
CSHEP6833BH01	1- 46	BA		С	
(D)					
DKIT-3409BHZZ	15- 7	AP	N.	S	
DK i T-8669BHZZ	15- 6			S	
DUNT-1306BHZA	4- 42	AX		<u> </u>	
DUNT-1817BHZA	1-502	BE	N	E	
//	2-502	BE	N	<u>E</u>	
DUNT-1817BHZZ	1-502	AY		E	
	2-502	AY	NI NI	_ <u>E</u> _	
DUNTK4234BHZZ	1- 13	BW	N	E	
"	2- 13	BW	N	E	
(G)	12-901	BW	N	<u> </u>	
GBOXD7155BHZZ	4.001	BW	N		
GCABA7216BHZD	4-901 3- 25	BH	N	E D	
GCABB2558BHZA	1- 20	BE	N	D	
GCABB2559BHZA	2- 20	BD	N	D	
GCABB7861BHZZ	1- 1	AN		D	
//	2- 1	AN		D	
GCABF2560BHZZ	1- 6	AQ	N	D	
//	2- 6	AQ	N	D	
GCABR2561BHZA	1- 18	AS	N	D	
//	2- 18	AS	N	D	
GCAS-6678BHZZ	4- 12	BC		D	
GCOVA2514BHZA	1- 25	BA	N	D	
//	2- 25	BA	N	D	
GCOVA7104BHZA	3- 41	AX	N	D	
GCOVA7105BHSA	3- 22	AL	N	D	
GCOVA71 07BHSA	3- 23	AH	N	D	
GCOVA71 07BHSC	3- 23	AH	N	D	
GCOVA7146BHZZ	4- 32	AV		D	
GCOVB2517BHZZ	2- 39	BC	N	D	
GCOVB7108BHZZ	15- 4	BA	N	S	
GCOVB71 09BHZZ	15- 3	BF		S	
GCOVB7110BHSA	15- 5	BG	N	S	
GCOVH7106BHZB	3- 45	AU	N	D	
GDRW-6678BHZZ	4- 31	BF		<u>D</u>	N
GDRW-6684BHZZ	4-502	BH		E.	
HPNI CERCODUCA	4 44				
HPNLC6829BHSA	1- 19	AM	N	D	
HPNLC6829BHSB	2- 19	AM	N	D	

PARTS CODE	DARTS CODE	NO	PRICE	NEW	PART	
			1		RANK	
J						
JKNBZ6896BHZA		2- 4	AW	N	D	
JKNBZ6897BHSA		1- 43	AG			
JKNBZ6898BHZZ						-
JKNBZ6899BHSA						
JKNBZ6906BHZZ 1-41 AK C JKNBZ6909BHZZ 1-41 AK C JKNBZ6909BHZZ 1-41 AK C JKNBZ6909BHZZ 1-41 AK C JKNBZ6911BHZZ 1-41 AK C JKNBZ6912BHZZ 1-41 AK C JKNBZ6913BHZZ 1-41 AK C JKNBZ6913BHZZ 1-41 AK C JKNBZ6913BHZZ 1-41 AK C JKNBZ6914BHZZ 1-41 AK C JKNBZ6915BHZZ 1-41 AK C JKNBZ6915BHZZ 1-41 AK C JKNBZ6916BHZZ 1-41 AK C JKNBZ6916BHZZ 1-41 AK C JKNBZ6916BHZZ 1-41 AK C JKNBZ6918BHZZ 1-41 AK C JKNBZ6918BHZZ 1-41 AK C JKNBZ6918BHZZ 1-41 AK C JKNBZ6918BHZZ 1-41 AK C JKNBZ6919BHZZ 1-41 AK C JKNBZ6919BHZZ 1-41 AK C JKNBZ6918BHZZ 1-41 AK C JKNBZ6919BHZZ 1-41 AK C JKNBZ6918BHZZ 1-41 AK C JKNBZ6920BHZZ 1-41 AK C JKNBZ6918BHZZ 1-41 AK C JKNBZ6920BHZZ 1-41 AK C JKNBZ6920BHZZ 1-41 AK C JKNBZ6920BHZZ 1-41 AK C JKNBZ6918BHZZ 1-41 AK C JKNBZ6918BHZZ 1-41 AK C JKNBZ6920BHZZ 1-41 AK C JKNBZ6920BHZZ 1-41 AK C JKNBZ6918BHZZ 1-501 BN N E L L-OK2368BHZZ 1-501 BN N E L L-OK2368BHZZ 1-501 BN N C LANGT7581BHZZ 3-52 AM C LANGT7581BHZZ 3-52 AM C LANGT7582BHZZ 1-38 AL C LBNDJ2003SCZZ 1-9 AA C M 2-238 AL C LBNDJ26036BHZZ 3-3 AD C LBNDJ6636BHZZ 3-3 AD C LBNDJ6636BHZZ 3-3 AD C LBRC-6663BHZZ 4-6 AQ C LCHSM6704BHZA 3-39 AZ C LCHSM6704BHZA 3-39 AZ C LFRM-2363BHZA 2-44 N D LFRM-6697BHZZ 1-44 BA D LFRM-6697BHZZ 1-44 BA D LHLDW6006SCZZ 3-10 AB C LHLDW6006SCZZ 3-10 AB C LHLDW6006SCZZ 3-10 AB C LHLDW6007SCZZ 3-12 AA C LHLDW6004BHZZ 4-19 AG C LHLDW604BHZZ 1-50 AE C LKGIM1004BH13 15-1 BH S LKGIM1004BH13 15-1 BH S LKGIM1004BH13 15-1 BH S LKGIM1004BH17 15-1 BH S LKGIM1004BH21 15-1 BH S LKGIM1004BH22 15-1 BH S LKGIM1004BH21 15-	JKNBZ6899BHSA					
JKNBZ6907BHZZ 1-41 AK C JKNBZ6909BHZZ 1-41 AK C JKNBZ6909BHZZ 1-41 AK C JKNBZ6919BHZZ 1-41 AK C JKNBZ6911BHZZ 1-41 AK C JKNBZ6913BHZZ 1-41 AK C JKNBZ6913BHZZ 1-41 AK C JKNBZ6913BHZZ 1-41 AK C JKNBZ6913BHZZ 1-41 AK C JKNBZ6916BHZZ 1-41 AK C JKNBZ6916BHZZ 1-41 AK C JKNBZ6916BHZZ 1-41 AK C JKNBZ6916BHZZ 1-41 AK C JKNBZ6918BHZZ 1-41 AK C LANGT5918BHZZ 3-31 CF N E KI-ŌK2018BHZZ 3-31 CF N E KI-ŌK2018BHZZ 3-31 CF N E KI-ŌK2018BHZZ 1-501 BN N E LANGK2898BHZZ 1-501 BN N C LANGT7581BHZZ 3-52 AM C LANGT7581BHZZ 3-52 AM C LANGT7581BHZZ 3-52 AM C LANGT7582BHZZ 1-38 AL C LANGT7582BHZZ 1-38 AL C LEBNDJ2003SCZZ 1-9 AA C LEBNDJ6363BHZZ 3-3 AD C LBNDJ6363BHZZ 3-3 AD C LBNDJ6363BHZZ 3-3 AD C LBNDJ6363BHZZ 3-3 AD C LBNDJ6363BHZZ 4-6 AQ C LCHSM6704BHZA 3-39 AZ C LFRM-6682BHZZ 4-22 AN D LFRM-6682BHZZ 4-22 AN D LFRM-6682BHZZ 4-22 AN D LFRM-6693BHZA 3-15 AL N C LHLDW0006SCZ 3-10 AB C LHLDW0007SCZZ 3-12 AA C LHLDW0004BHZZ 4-99 AG C LHLDW004BHZZ 4-99 AG C LKGIM1004BH14 15-1 BH S LKGIM1004BH15 15-1 BH S LKGIM1004BH16 15-1 BH S LKGIM1004BH20 15-1 BH S LKGIM1004BH21 15-1 BH S LKGIM1004BH21 15-1 BH S LKGIM1004BH20 15-1 BH S LKGIM1004BH30 15-1 BH S	JKNBZ6905BHZZ	1- 41	AF		С	
JKNBZ6908BHZZ 1-41 AK C JKNBZ6919BHZZ 1-41 AK C JKNBZ6911BHZZ 1-41 AK C JKNBZ6913BHZZ 1-41 AK C JKNBZ6913BHZZ 1-41 AK C JKNBZ6914BHZZ 1-41 AK C JKNBZ6914BHZZ 1-41 AK C JKNBZ6914BHZZ 1-41 AK C JKNBZ6914BHZZ 1-41 AK C JKNBZ6917BHZZ 1-41 AK C JKNBZ6917BHZZ 1-41 AK C JKNBZ6917BHZZ 1-41 AK C JKNBZ6918BHZZ 1-41 AK C JKNBZ6920BHZZ 1-41 AK C JKNBZ6920BHZZ 1-41 AK C JKNBZ6920BHZZ 1-21 AM C KI-ÖK2368BHZZ 1-501 BN N E KI-ÖK2368BHZZ 1-501 BN N C LANGT7581BHZZ 3-52 AM C LANGT7581BHZZ 3-52 AM C LANGT7581BHZZ 3-52 AM C LANGT7582BHZZ 1-38 AL C M 2-38 AL C LBNDJ6636BHZZ 3-3 AD C LHLDW0003SCZZ 1-9 AA C LHLDW0006SCZ 3-10 AB C LHLDW0006SCZ 3-10 AB C LHLDW0007SCZZ 3-10 AB C LHLDW0006SCZ 3-10 AB C LHCGM1004BH13 15-1 BH S LKGIM1004BH3 15		1- 41	AK		С	
JKNBZ6909BHZZ 1-41 AK C JKNBZ6913BHZZ 1-41 AK C JKNBZ6913BHZZ 1-41 AK C JKNBZ6913BHZZ 1-41 AK C JKNBZ6913BHZZ 1-41 AK C JKNBZ6914BHZZ 1-41 AK C JKNBZ6914BHZZ 1-41 AK C JKNBZ6916BHZZ 1-41 AK C JKNBZ6916BHZZ 1-41 AK C JKNBZ6918BHZZ 1-41 AK C JKNBZ6919BHZZ 1-41 AK C JKNBZ6918BHZZ 1-501 BN N E KI-ŌK2012BHZA 2-501 BK N E KI-ŌK2012BHZA 2-501 BK N E KI-ŌK2012BHZA 2-501 BN N C LANGT7581BHZZ 3-52 AM N C LANGT7581BHZZ 3-52 AM C LANGT7581BHZZ 3-52 AM C LANGT7581BHZZ 3-52 AM C LBNDJ2003SCZZ 1-9 AA C JK 2-9 AA C JK 2-9 AA C LBNDJ6636BHZZ 3-3 AD C LBNDJ6636BHZZ 3-3 AD C LBNDJ6636BHZZ 3-3 AD C LCHSM6704BHZA 3-39 AZ C LHLDW0006SCZZ 3-10 AB C LHLDW0007SCZ 3-12 AA C LHLDW0007SCZ 3-12 AA C LHLDW0007SCZ 3-12 AA C LHLDW0007SCZ 3-12 AA C LHLDW0008SCZZ 1-22 AA C LHLDW0008SCZZ 1-22 AA C LHLDW0008SCZZ 1-22 AA C LHLDW0008SCZZ 1-22 AA C LHLDW0004BHZA 1-50 AB C LKGIM1004BH13 15-1 BH S LKGIM1004BH14 15-1 BH S LKGIM1004BH15 15-1 BH S LKGIM1004BH15 15-1 BH S LKGIM1004BH16 15-1 BH S LKGIM1004BH17 15-1 BH S LKGIM1004BH19 15-1 BH S LKGIM1004BH20 15-1 BH S LKGIM1004BH21 15-1 BH S LKGIM1004BH20 15-1 BH S						
JKNBZ6911BHZZ 1-41 AK C JKNBZ6913BHZZ 1-41 AK C JKNBZ6914BHZZ 1-41 AK C JKNBZ6915BHZZ 1-41 AK C JKNBZ6916BHZZ 1-41 AK C JKNBZ6916BHZZ 1-41 AK C JKNBZ6916BHZZ 1-41 AK C JKNBZ6916BHZZ 1-41 AK C JKNBZ6917BHZZ 1-41 AK C JKNBZ6917BHZZ 1-41 AK C JKNBZ6918BHZZ 1-41 AK C JKNBZ6919BHZZ 1-41 AK C JKNBZ6919BHZZ 1-41 AK C JKNBZ6919BHZZ 1-41 AK C JKNBZ6920BHZZ 1-41 AK C LANGZ6920BHZZ 1-501 BK N E KI-ŌK2012BHZA 2-501 BK N E KI-ŌK2012BHZA 2-501 BK N E KI-ŌK2012BHZA 2-501 BK N E LANGT7581BHZZ 1-501 BN N E LANGT7581BHZZ 1-212 AM N C LANGT7581BHZZ 3-52 AM C LANGT7581BHZZ 3-52 AM C LANGT7582BHZZ 1-38 AL C LBNDJ6036BHZZ 3-3 AL C LBNDJ6036BHZZ 3-3 AC C LBNDJ6036BHZZ 3-3 AC C LBNDJ6036BHZZ 4-6 AQ C LCHSM6704BHZA 3-39 AZ C LERC-6663BHZZ 4-6 AQ C LCHSM6704BHZA 3-39 AZ C LFRM-6697BHZZ 1-44 BA C LHLDW0006SCZ 3-10 AB C LHLDW0007SCZZ 3-12 AA C LHLDW0007SCZZ 3-12 AA C LHLDW0007SCZZ 3-12 AA C LHLDW0007SCZZ 3-10 AB C LHLDW0004BHZZ 4-19 AG C LHLDW0004BHZZ 4-19 AG C LHLDW0004BHZZ 1-50 AE C LHLDW004BHZZ 1-50 AE C LHLDW004BHZZ 1-50 AE C LHLDW004BHZZ 1-50 AE C LHLDW004BHZZ 1-50 AE C LKGIM1004BH13 15-1 BH S LKGIM1004BH13 15-1 BH S LKGIM1004BH23 15-1 BH S LKGIM1004BH23 15-1 BH S LKGIM1004BH26 15-1 BH S LKGIM1004BH27 15-1 BH S LKGIM1004BH27 15-1 BH S LKGIM1004BH27 15-1 BH S LKGIM1004BH27 15-1 BH S LKGIM1004BH28 15-1 BH S LKGIM1004BH29 15-1 BH S LKGIM1004BH29 15-1 BH S LKGIM1004BH21 15-1 BH S LKGIM1004BH20 15-1 BH S LKGIM1004BH21 15-1 BH S LKGIM1004BH23 15-1 BH						
JKNBZ6912BHZZ 1-41 AK C JKNBZ6913BHZZ 1-41 AK C JKNBZ6915BHZZ 1-41 AK C JKNBZ6917BHZZ 1-41 AK C JKNBZ6917BHZZ 1-41 AK C JKNBZ6919BHZZ 1-41 AK C JKNBZ6919BHZZ 1-41 AK C JKNBZ6919BHZZ 1-41 AK C JKNBZ6920BHZZ 1-41 AK C JKNBZ6920BHZZ 1-41 AK C KI-ŌB2010BHZZ 3-31 CF N E KI-ŌK2012BHZA 2-501 BK N E KI-ŌK2012BHZA 2-501 BK N E KI-ŌK2012BHZA 2-501 BN N E KI-ŌK2012BHZA 1-501 BN N E KI-ŌK2012BHZA 2-501 BK N E LANGK7581BHZZ 1-38 AL C LANGT7581BHZZ 3-52 AM C LANGT7581BHZZ 1-38 AL C LANGT7582BHZZ 1-38 AL C LBNDJ6036SCZZ 1-9 AA C " 2-9 AA C LBNDJ6036BHZZ 3-3 AD C LCHSM6704BHZA 3-39 AZ C LCHSM6704BHZA 3-39 AZ C LCHSM6704BHZA 3-39 AZ C LCHRM-20363BHZA 2-44 AX N D LFRM-6682BHZŻ 4-22 AN D LFRM-6682BHZŻ 4-22 AN D LFRM-6682BHZŻ 4-22 AN D LFRM-6682BHZZ 3-3 AD C LHLDW0006SCZZ 3-10 AB C LHLDW0006SCZZ 3-10 AB C LHLDW0006SCZZ 3-10 AB C LHLDW0008SCZZ 1-22 AA C LHLDW0006SCZZ 3-10 AB C LHLDW0008SCZZ 1-22 AA C LHLDW0004BHZZ 4-19 AG C LHLDW0004BHZZ 4-19 AG C LHLDW004BHZZ 4-19 AG C LKGIM1004BH13 15-1 BH S LKGIM1004BH14 15-1 BH S LKGIM1004BH15 15-1 BH S LKGIM1004BH16 15-1 BH S LKGIM1004BH17 15-1 BH S LKGIM1004BH19 15-1 BH S LKGIM1004BH29 15-1 BH S LKGIM1004BH30 15-1 BH S			-			
JKNBZ6913BHZZ 1-41 AK C JKNBZ6914BHZZ 1-41 AK C JKNBZ6916BHZZ 1-41 AK C JKNBZ6917BHZZ 1-41 AK C JKNBZ6917BHZZ 1-41 AK C JKNBZ6918BHZZ 1-41 AK C JKNBZ6918BHZZ 1-41 AK C JKNBZ6918BHZZ 1-41 AK C JKNBZ6919BHZZ 1-41 AK C JKNBZ6910BHZZ 1-41 AK C JKNBZ6910BHZZ 1-501 BK N E K:-ÖK2012BHZA 2-501 BK N E K:-ÖK2012BHZA 2-501 BK N E K:-ÖK2012BHZA 2-501 BK N E K:-ÖK2368BHZZ 1-501 BN N E LANGK2898BHZZ 1-501 BN N C LANGK2898BHZZ 1-501 BN N C LANGT7581BHZZ 3-52 AM C LANGT7581BHZZ 3-52 AM C LANGT7582BHZZ 1-38 AL C LANGT7582BHZZ 1-38 AL C LANGT7582BHZZ 1-38 AL C LANGT688BHZZ 1-39 AA C " 2-9 AA C " 2-9 AA C C " 2-9 AA C C LBNDJ6636BHZZ 3-3 AD C LBRC-6663BHZZ 4-6 AQ C LCHSM6704BHZA 3-39 AZ C LFRM-2363BHZA 2-44 AX N D LFRM-6697BHZZ 1-44 BA D LFRM-6697BHZZ 1-44 BA D LHLDW6006SCZZ 3-10 AB C LHLDW0006SCZZ 3-10 AB C LHLDW0007SCZZ 3-12 AA C LHLDW0008SCZZ 1-22 AA C LHLDW0008SCZZ 1-22 AA C LHLDW0008SCZZ 1-22 AA C LHLDW0008BHZA 3-15 AL N C LHLDW6337BHZA 4-9 AG C LHLDW6337BHZA 4-9 AG C LHLDW6337BHZA 1-50 AB C LHLDW6337BHZA 1-50 AB C LHLDW6337BHZA 1-50 AB C LKGIM1004BH13 15-1 BH S LKGIM1004BH14 15-1 BH S LKGIM1004BH15 15-1 BH S LKGIM1004BH17 15-1 BH S LKGIM1004BH19 15-1 BH S LKGIM1004BH19 15-1 BH S LKGIM1004BH20 15-1 BH S LKGIM1004BH20 15-1 BH S LKGIM1004BH20 15-1 BH S LKGIM1004BH21 15-1 BH S LKGIM1004BH20 15-1 B						
JKNBZ6914BHZZ 1-41 AK C JKNBZ6915BHZZ 1-41 AK C JKNBZ6916BHZZ 1-41 AK C JKNBZ6917BHZZ 1-41 AK C JKNBZ6918BHZZ 1-41 AK C JKNBZ6918BHZZ 1-41 AK C JKNBZ6919BHZZ 1-41 AK C JKNBZ6919BHZZ 1-41 AK C JKNBZ6919BHZZ 1-41 AK C JKNBZ6920BHZZ 1-501 BK N E KI-ÖK2012BHZA 2-501 BK N E KI-ÖK2012BHZA 2-501 BK N C LANGK2898BHZZ 1-12 AM N C LANGK2898BHZZ 1-12 AM N C LANGT7581BHZZ 3-52 AM C LANGT7582BHZZ 1-38 AL C JKNBZ698BHZZ 1-38 AL C JKNBZ698BHZA 1-38 AL C JKNBZ698						
JKNBZ6915BHZZ 1-41 AK C JKNBZ6916BHZZ 1-41 AK C JKNBZ6917BHZZ 1-41 AK C JKNBZ6919BHZZ 1-41 AK C JKNBZ6919BHZZ 1-41 AK C JKNBZ6919BHZZ 1-41 AK C JKNBZ6919BHZZ 1-41 AK C JKNBZ6920BHZZ 1-41 AK C KI-OB2010BHZZ 3-31 CF N E KI-OK2012BHZA 2-501 BK N E KI-OK2012BHZA 2-501 BK N E KI-OK2012BHZA 2-501 BN N E LANGK2898BHZZ 1-12 AM N C L LANGK2898BHZZ 1-12 AM N C LANGT7581BHZZ 3-52 AM C LANGT7581BHZZ 3-52 AM C LANGT7582BHZZ 1-38 AL C LANGT7582BHZZ 1-38 AL C LBNDJ2003SCZZ 1-9 AA C " 2-9 AA C " 2-9 AA C LBNDJ6636BHZZ 3-3 AD C LBRC-6663BHZZ 4-6 AQ C LCHSM6704BHZA 3-39 AZ C LCHSM6704BHZA 3-39 AZ C LFRM-6697BHZZ 1-44 BA D LFRM-6692BHZZ 1-44 BA D LFRM-6692BHZZ 1-44 BA D LHLDW0006SCZ 3-10 AB C LHCGM1004BH13 15-1 BH S LKGiM1004BH14 15-1 BH S LKGiM1004BH15 15-1 BH S LKGiM1004BH19 15-1 BH S LKGiM1004BH19 15-1 BH S LKGiM1004BH19 15-1 BH S LKGiM1004BH19 15-1 BH S LKGiM1004BH20 15-1 BH S LKGiM1			+			
JKNBZ6917BHZZ			_			
JKNBZ6919BHZZ 1- 41 AK C JKNBZ6919BHZZ 1- 41 AK C KI-OB2010BHZZ 3- 31 CF N E KI-OK2012BHZA 2-501 BK N E KI-OK2368BHZZ 1- 501 BN N E (L) LANGK2898BHZZ 1- 1501 BN N E (L) LANGK2898BHZZ 1- 12 AM N C LANGT7581BHZZ 3- 52 AM C LANGT7581BHZZ 3- 52 AM C LANGT7582BHZZ 1- 38 AL C LBNDJ2003SCZZ 1- 9 AA C " 2- 38 AL C LBNDJ2003SCZZ 1- 9 AA C " 3- 8 AA C LBNDJ6636BHZZ 3- 3 AD C LBNDJ6636BHZZ 3- 3 AD C LCHSM6704BHZA 3- 39 AZ C LCHSM6704BHZA 3- 39 AZ C LCHSM6704BHZA 3- 39 AZ C LCHSM6704BHZA 3- 31 AD C LFRM-6682BHZZ 4- 22 AN D LFRM-6682BHZZ 4- 22 AN D LFRM-6682BHZZ 1- 44 BA D LHLDW0006SCZZ 3- 10 AB C LHLDW0006SCZZ 3- 10 AB C LHLDW0007SCZZ 3- 12 AA C LHLDW0006SCZZ 1- 22 AA C LHLDW0006SCZZ 1- 22 AA C LHLDW0008SCZZ 1- 22 AA C LHLDW0004BHZZ 1- 50 AE C LHLDW004BHZZ 1- 50 AE C LHLDW04BHZZ 1- 50 AE C LHLDW04BHZZ 1- 50 AE C LKGIM1004BH13 15- 1 BH S LKGIM1004BH15 15- 1 BH S LKGIM1004BH16 15- 1 BH S LKGIM1004BH16 15- 1 BH S LKGIM1004BH17 15- 1 BH S LKGIM1004BH18 15- 1 BH S LKGIM1004BH18 15- 1 BH S LKGIM1004BH19 15- 1 BH S LKGIM1004BH21 15- 1 BH S LKGIM1004BH26 15- 1 BH S LKGIM1004BH27 15- 1 BH S LKGIM1004BH28 15- 1 BH S LKGIM1004BH28 15- 1 BH S LKGIM1004BH28 15- 1 BH S LKGIM1004BH29 15- 1 BH S LKGIM1004BH29 15- 1 BH S LKGIM1004BH28 15- 1 BH S LKGIM1004BH28 15- 1 BH S LKGIM1004BH29 15- 1 BH S LKGIM1004BH28 15- 1 BH S LKGIM1004BH28 15- 1 BH S LKGIM1004BH29 15- 1 BH S	JKNBZ6916BHZZ					
JKNBZ6919BHZZ 1- 41 AK C JKNBZ6920BHZZ 1- 41 AK C (K] Ki-ŌB2010BHZZ 3- 31 CF N E Ki-ŌK2012BHZA 2-501 BK N E Ki-ŌK2012BHZA 2-501 BK N E Ki-ŌK20368BHZZ 1-501 BN N C LANGK2898BHZZ 1- 12 AM N C LANGK2898BHZZ 1- 12 AM N C LANGT7581BHZZ 3- 52 AM C LANGT7581BHZZ 1- 38 AL C "" 2- 12 AM N C LANGT7582BHZZ 1- 38 AL C "" 2- 9 AA C "" 2- 9 AA C LBNDJ2003SCZZ 1- 9 AA C "" 3- 8 AA C LBNDJ6636BHZZ 3- 3 AD C LBRC-6663BHZZ 4- 6 AQ C LCHSM6704BHZA 3- 39 AZ C LFRM-2363BHZA 2- 44 AX N D LFRM-6697BHZZ 1- 44 BA D LHD06839BHZA 3- 15 AL N C LHLDW0007SCZZ 3- 10 AB C LHLDW0006SCZZ 3- 10 AB C LHLDW0008SCZZ 1- 22 AA C LHLDW0008SCZZ 1- 22 AA C LHLDW0028BHZZ 4- 19 AG C LHLDW0028BHZZ 1- 50 AE C LHLDW0286BHZZ 1- 50 AE C LHLDW004BH1 3 15- 1 BH S LKGIM1004BH1 4 15- 1 BH S LKGIM1004BH1 5 15- 1 BH S LKGIM1004BH1 7 15- 1 BH S LKGIM1004BH1 8 15- 1 BH S LKGIM1004BH1 9 15- 1 BH S LKGIM1004BH1 21- 15- 1 BH S LKGIM1004BH2 15- 1 BH S	JKNBZ6917BHZZ	1- 41	AK		C	
JKNBZ6920BHZZ		1- 41	AK		С	
KI			-		С	
Ki - OB 2010 BHZZ		1- 41	AK		С	
Ki - OK2012BHZA		0.04	05			
Ki - OK 2368 BHZZ						
LANGK 2898 BHZZ						
LANGK2898BHZZ		1,201	DIA	IA		
		1- 12	AM	N	С	
LANGT7581BHZZ 3-52 AM C LANGT7582BHZZ 1-38 AL C " 2-38 AL C LBNDJ2003SCZZ 1-9 AA C " 3-8 AA C LBNDJ6636BHZZ 3-3 AD C LBRC-6663BHZZ 4-6 AQ C LCHSM6704BHZA 3-39 AZ C LFRM-2363BHZA 2-44 AX N D LFRM-6697BHZZ 1-44 BA D LFRM-6697BHZZ 1-44 BA D LHLDQ6839BHZA 3-15 AL N C LHLDW0006SCZZ 3-10 AB C LHLDW0007SCZZ 3-12 AA C LHLDW0007SCZZ 3-12 AA C LHLDW0007SCZZ 3-12 AA C LHLDW0008SCZZ 1-22 AA C LHLDW0386CZZ 1-22 AA C LHLDW0386CZZ 1-25 AA C LHLDW04BHZ 1-50 AE C LKGiM1004BH00 15-1 BH S LKGiM1004BH13 15-1 BH S LKGiM1004BH16 15-1 BH S LKGiM1004BH17 15-1 BH S LKGiM1004BH18 15-1 BH S LKGiM1004BH19 15-1 BH S LKGiM1004BH22 15-1 BH S LKGiM1004BH21 15-1 BH S LKGiM1004BH21 15-1 BH S LKGiM1004BH19 15-1 BH S LKGiM1004BH21 15-1 BH S LKGiM1004BH23 15-1 BH S LKGiM1004BH24 15-1 BH S LKGiM1004BH25 15-1 BH S LKGiM1004BH26 15-1 BH S LKGiM1004BH27 15-1 BH S LKGiM1004BH28 15-1 BH S LKGiM1004BH29 15-1 BH S LKGiM1004BH29 15-1 BH S LKGiM1004BH28 15-1 BH S LKGiM1004BH28 15-1 BH S LKGiM1004BH29 15-1 BH S LKGiM1004BH29 15-1 BH S LKGiM1004BH29 15-1 BH S LKGiM1004BH28 15-1 BH S LKGiM1004BH29 15-1 BH S			-			
	LANGT7581BHZZ	3- 52	AM			
LBNDJ2003SCZZ	LANGT7582BHZZ	1- 38	AL			
## 2- 9 AA C ## 3- 8 AA C LBNDJ6636BHZZ 3- 3 AD C LBRC-6663BHZZ 4- 6 AQ C LCHSM6704BHZA 3- 39 AZ C LFRM-2363BHZA 2- 44 AX N D LFRM-6682BHZZ 4- 22 AN D LFRM-6682BHZZ 1- 44 BA D LFRM-6687BHZZ 1- 44 BA D LHLDQ6839BHZA 3- 15 AL N C LHLDW0006SCZZ 3- 10 AB C LHLDW0007SCZZ 3- 10 AB C LHLDW0007SCZZ 3- 12 AA C LHLDW0007SCZZ 3- 12 AA C LHLDW0004BHZZ 4- 19 AG C LHLDW2386BHZZ 4- 19 AG C LHLDW2386BHZZ 1- 50 AE C LHLDZ6837BHZZ 1- 49 AE C LHLDZ6837BHZZ 1- 49 AE C LKGiM1004BH00 15- 1 BH S LKGiM1004BH13 15- 1 BH S LKGiM1004BH14 15- 1 BH S LKGiM1004BH15 15- 1 BH S LKGiM1004BH16 15- 1 BH S LKGiM1004BH16 15- 1 BH S LKGiM1004BH17 15- 1 BH S LKGiM1004BH17 15- 1 BH S LKGiM1004BH18 15- 1 BH S LKGiM1004BH19 15- 1 BH S LKGiM1004BH20 15- 1 BH S LKGiM1004BH20 15- 1 BH S LKGiM1004BH20 15- 1 BH S LKGiM1004BH21 15- 1 BH S LKGiM1004BH23 15- 1 BH S LKGiM1004BH24 15- 1 BH S LKGiM1004BH25 15- 1 BH S LKGiM1004BH26 15- 1 BH S LKGiM1004BH27 15- 1 BH S LKGiM1004BH28 15- 1 BH S LKGiM1004BH29 15- 1 BH S LKGiM1004BH30 15- 1 BH S		2- 38	AL			
## 3- 8 AA C LBNDJ6636BHZZ 3- 3 AD C LBRC-6663BHZZ 4- 6 AQ C LCHSM6704BHZA 3- 39 AZ C LFRM-2363BHZA 2- 44 AX N D LFRM-6682BHZZ 4- 22 AN D LFRM-6682BHZZ 1- 44 BA D LFRM-6697BHZZ 1- 44 BA D LHLDQ6839BHZA 3- 15 AL N C LHLDW0006SCZZ 3- 10 AB C LHLDW0007SCZZ 3- 12 AA C LHLDW0007SCZZ 3- 12 AA C LHLDW0007SCZZ 3- 12 AA C LHLDW0024BHZZ 4- 19 AG C LHLDW2386BHZZ 1- 22 AA C LHLDW2386BHZZ 1- 50 AE C LHLDZ6837BHZZ 1- 49 AE C LHLDZ6837BHZZ 1- 49 AE C LKGIM1004BH10 15- 1 BH S LKGIM1004BH13 15- 1 BH S LKGIM1004BH14 15- 1 BH S LKGIM1004BH15 15- 1 BH S LKGIM1004BH16 15- 1 BH S LKGIM1004BH16 15- 1 BH S LKGIM1004BH17 15- 1 BH S LKGIM1004BH18 15- 1 BH S LKGIM1004BH19 15- 1 BH S LKGIM1004BH20 15- 1 BH S LKGIM1004BH21 15- 1 BH S LKGIM1004BH23 15- 1 BH S LKGIM1004BH24 15- 1 BH S LKGIM1004BH26 15- 1 BH S LKGIM1004BH27 15- 1 BH S LKGIM1004BH28 15- 1 BH S LKGIM1004BH29 15- 1 BH S LKGIM1004BH30 15- 1 BH S LKGIM1004BH29 15- 1 BH S LKGIM1004BH29 15- 1 BH S LKGIM1004BH30 15- 1 BH S						
LBNDJ6636BHZZ 3- 3 AD C LBRC-6663BHZZ 4- 6 AQ C LCHSM6704BHZA 3- 39 AZ C LFRM-2363BHZZ 4- 6 AQ C LFRM-6682BHZZ 4- 22 AN D LFRM-6682BHZZ 4- 22 AN D LFRM-6697BHZZ 1- 44 BA D LHLDQ6839BHZA 3- 15 AL N C LHLDW0006SCZZ 3- 10 AB C LHLDW0007SCZZ 3- 12 AA C LHLDW0007SCZZ 3- 12 AA C LHLDW0008SCZZ 1- 22 AA C LHLDW0024BHZZ 4- 19 AG C LHLDW386BHZZ 1- 50 AE C LHLDW6837BHZZ 1- 50 AE C LHLDZ6837BHZZ 1- 49 AE C LKGiM1004BH00 15- 1 BH S LKGiM1004BH13 15- 1 BH S LKGiM1004BH14 15- 1 BH S LKGiM1004BH15 15- 1 BH S LKGiM1004BH16 15- 1 BH S LKGiM1004BH16 15- 1 BH S LKGiM1004BH17 15- 1 BH S LKGiM1004BH18 15- 1 BH S LKGiM1004BH18 15- 1 BH S LKGiM1004BH19 15- 1 BH S LKGiM1004BH20 15- 1 BH S LKGiM1004BH21 15- 1 BH S LKGiM1004BH23 15- 1 BH S LKGiM1004BH24 15- 1 BH S LKGiM1004BH27 15- 1 BH S LKGiM1004BH26 15- 1 BH S LKGiM1004BH27 15- 1 BH S LKGiM1004BH29 15- 1 BH S LKGiM1004BH30 15- 1 BH S						
LBRC-6663BHZZ						
LCHSM6704BHZA 3-39 AZ C LFRM-2363BHZA 2-44 AX N D LFRM-6682BHZZ 4-22 AN D LFRM-6697BHZZ 1-44 BA D LHLDQ6839BHZA 3-15 AL N C LHLDW0006SCZZ 3-10 AB C LHLDW0007SCZZ 3-12 AA C LHLDW0007SCZZ 1-22 AA C LHLDW0008SCZZ 1-22 AA C LHLDW0024BHZZ 1-22 AA C LHLDW02386BHZZ 3-13 AD N C LHLDW2386BHZZ 3-13 AD N C LHLDW2386BHZZ 1-50 AE C LHLDZ6837BHZZ 1-49 AE C LHLDZ6837BHZZ 1-49 AE C LKGiM1004BH00 15-1 BH S LKGiM1004BH13 15-1 BH S LKGiM1004BH14 15-1 BH S LKGiM1004BH14 15-1 BH S LKGiM1004BH15 15-1 BH S LKGiM1004BH16 15-1 BH S LKGiM1004BH17 15-1 BH S LKGiM1004BH17 15-1 BH S LKGiM1004BH18 15-1 BH S LKGiM1004BH19 15-1 BH S LKGiM1004BH20 15-1 BH S LKGiM1004BH21 15-1 BH S LKGiM1004BH21 15-1 BH S LKGiM1004BH23 15-1 BH S LKGiM1004BH24 15-1 BH S LKGiM1004BH25 15-1 BH S LKGiM1004BH26 15-1 BH S LKGiM1004BH27 15-1 BH S LKGiM1004BH28 15-1 BH S LKGiM1004BH29 15-1 BH S LKGiM1004BH29 15-1 BH S LKGiM1004BH30 15-1 BH S						
LFRM-2363BHZA 2-44 AX N D LFRM-6682BHZZ 4-22 AN D LFRM-6697BHZZ 1-44 BA D LHLDQ6839BHZA 3-15 AL N C LHLDW0006SCZZ 3-10 AB C LHLDW0007SCZZ 3-10 AB C LHLDW0007SCZZ 1-22 AA C HLDW0004BHZZ 4-19 AG C LHLDW024BHZZ 4-19 AG C LHLDW2386BHZZ 1-50 AE C LHLDW2386BHZZ 1-50 AE C LHLDZ6836BHZZ 1-50 AE C LHLDZ6837BHZZ 1-49 AE C LKGIM1004BH00 15-1 BH S LKGIM1004BH13 15-1 BH S LKGIM1004BH15 15-1 BH S LKGIM1004BH16 15-1 BH S LKGIM1004BH16 15-1 BH S LKGIM1004BH17 15-1 BH S LKGIM1004BH17 15-1 BH S LKGIM1004BH18 15-1 BH S LKGIM1004BH19 15-1 BH S LKGIM1004BH20 15-1 BH S LKGIM1004BH20 15-1 BH S LKGIM1004BH20 15-1 BH S LKGIM1004BH21 15-1 BH S LKGIM1004BH21 15-1 BH S LKGIM1004BH21 15-1 BH S LKGIM1004BH23 15-1 BH S LKGIM1004BH24 15-1 BH S LKGIM1004BH25 15-1 BH S LKGIM1004BH26 15-1 BH S LKGIM1004BH27 15-1 BH S LKGIM1004BH28 15-1 BH S LKGIM1004BH29 15-1 BH S LKGIM1004BH29 15-1 BH S LKGIM1004BH29 15-1 BH S LKGIM1004BH30 15-1 BH S						
LFRM-6682BHZZ				N		
LFRM-6697BHZZ 1-44 BA D LHLDQ6839BHZA 3-15 AL N C LHLDW0006SCZZ 3-10 AB C LHLDW0007SCZZ 3-12 AA C LHLDW0008SCZZ 1-22 AA C LHLDW0008SCZZ 1-22 AA C LHLDW0024BHZZ 4-19 AG C LHLDW2386BHZZ 3-13 AD N C " 6-1 AD N C LHLDZ6837BHZZ 1-49 AE C LHLDZ6837BHZZ 1-49 AE C LKGiM1004BH00 15-1 BH S LKGiM1004BH13 15-1 BH S LKGiM1004BH14 15-1 BH S LKGiM1004BH16 15-1 BH S LKGiM1004BH16 15-1 BH S LKGiM1004BH17 15-1 BH S LKGiM1004BH18 15-1 BH S LKGiM1004BH18 15-1 BH S LKGiM1004BH19 15-1 BH S LKGiM1004BH19 15-1 BH S LKGiM1004BH19 15-1 BH S LKGiM1004BH19 15-1 BH S LKGiM1004BH20 15-1 BH S LKGiM1004BH21 15-1 BH S LKGiM1004BH21 15-1 BH S LKGiM1004BH21 15-1 BH S LKGiM1004BH21 15-1 BH S LKGiM1004BH23 15-1 BH S LKGiM1004BH24 15-1 BH S LKGiM1004BH24 15-1 BH S LKGiM1004BH25 15-1 BH S LKGiM1004BH26 15-1 BH S LKGiM1004BH27 15-1 BH S LKGiM1004BH27 15-1 BH S LKGiM1004BH29 15-1 BH S LKGiM1004BH30 15-1 BH S LKGiM1004BH30 15-1 BH S LKGiM1004BH30 15-1 BH S LKGiM1004BH30 15-1 BH S				-14		
LHLDW0006SCZZ 3-10 AB C LHLDW0007SCZZ 3-12 AA C LHLDW0007SCZZ 1-22 AA C LHLDW0008SCZZ 1-22 AA C LHLDW0024BHZZ 4-19 AG C LHLDW2386BHZZ 3-13 AD N C " 6-1 AD N C LHLDZ6836BHZZ 1-50 AE C LHLDZ6837BHZZ 1-49 AE C LKGiM1004BH00 15-1 BH S LKGiM1004BH13 15-1 BH S LKGiM1004BH14 15-1 BH S LKGiM1004BH16 15-1 BH S LKGiM1004BH16 15-1 BH S LKGiM1004BH16 15-1 BH S LKGiM1004BH17 15-1 BH S LKGiM1004BH18 15-1 BH S LKGiM1004BH19 15-1 BH S LKGiM1004BH19 15-1 BH S LKGiM1004BH19 15-1 BH S LKGiM1004BH19 15-1 BH S LKGiM1004BH20 15-1 BH S LKGiM1004BH21 15-1 BH S LKGiM1004BH23 15-1 BH S LKGiM1004BH24 15-1 BH S LKGiM1004BH25 15-1 BH S LKGiM1004BH26 15-1 BH S LKGiM1004BH27 15-1 BH S LKGiM1004BH28 15-1 BH S LKGiM1004BH29 15-1 BH S LKGiM1004BH29 15-1 BH S LKGiM1004BH29 15-1 BH S LKGiM1004BH29 15-1 BH S LKGiM1004BH30 15-1 BH S						
LHLDW0007SCZZ 3-12 AA C LHLDW0008SCZZ 1-22 AA C " 2-22 AA C LHLDW0024BHZZ 4-19 AG C LHLDW2386BHZZ 3-13 AD N C " 6- 1 AD N C LHLDZ6836BHZZ 1-50 AE C LHLDZ6837BHZZ 1-49 AE C LHLDZ6837BHZZ 1-49 AE C LKGIM1004BH00 15- 1 BH S LKGIM1004BH13 15- 1 BH S LKGIM1004BH14 15- 1 BH S LKGIM1004BH15 15- 1 BH S LKGIM1004BH16 15- 1 BH S LKGIM1004BH17 15- 1 BH S LKGIM1004BH17 15- 1 BH S LKGIM1004BH18 15- 1 BH S LKGIM1004BH19 15- 1 BH S LKGIM1004BH19 15- 1 BH S LKGIM1004BH18 15- 1 BH S LKGIM1004BH19 15- 1 BH S LKGIM1004BH18 15- 1 BH S LKGIM1004BH19 15- 1 BH S LKGIM1004BH19 15- 1 BH S LKGIM1004BH20 15- 1 BH S LKGIM1004BH20 15- 1 BH S LKGIM1004BH21 15- 1 BH S LKGIM1004BH21 15- 1 BH S LKGIM1004BH21 15- 1 BH S LKGIM1004BH23 15- 1 BH S LKGIM1004BH24 15- 1 BH S LKGIM1004BH25 15- 1 BH S LKGIM1004BH26 15- 1 BH S LKGIM1004BH27 15- 1 BH S LKGIM1004BH28 15- 1 BH S LKGIM1004BH29 15- 1 BH S LKGIM1004BH30 15- 1 BH S	LHLDQ6839BHZA	3- 15	AL	N	C	
LHLDW0008SCZZ			AB			
## 2- 22 AA C LHLDW0024BHZZ 4- 19 AG C LHLDW2386BHZZ 3- 13 AD N C ## 6- 1 AD N C LHLDZ6836BHZZ 1- 50 AE C LHLDZ6837BHZZ 1- 49 AE C LHLDZ6837BHZZ 1- 49 AE C LKGiM1004BH00 15- 1 BH S LKGiM1004BH13 15- 1 BH S LKGiM1004BH14 15- 1 BH S LKGiM1004BH15 15- 1 BH S LKGiM1004BH16 15- 1 BH S LKGiM1004BH17 15- 1 BH S LKGiM1004BH18 15- 1 BH S LKGiM1004BH18 15- 1 BH S LKGiM1004BH19 15- 1 BH S LKGiM1004BH19 15- 1 BH S LKGiM1004BH20 15- 1 BH S LKGiM1004BH20 15- 1 BH S LKGiM1004BH21 15- 1 BH S LKGiM1004BH21 15- 1 BH S LKGiM1004BH22 15- 1 BH S LKGiM1004BH23 15- 1 BH S LKGiM1004BH24 15- 1 BH S LKGiM1004BH25 15- 1 BH S LKGiM1004BH24 15- 1 BH S LKGiM1004BH25 15- 1 BH S LKGiM1004BH26 15- 1 BH S LKGiM1004BH27 15- 1 BH S LKGiM1004BH28 15- 1 BH S LKGiM1004BH28 15- 1 BH S LKGiM1004BH28 15- 1 BH S LKGiM1004BH29 15- 1 BH S LKGiM1004BH30 15- 1 BH S LKGiM1004BH30 15- 1 BH S LKGiM1004BH30 15- 1 BH S			-			
LHLDW0024BHZZ 4-19 AG C LHLDW2386BHZZ 3-13 AD N C " 6- 1 AD N C LHLDZ6836BHZZ 1-50 AE C LHLDZ6837BHZZ 1-49 AE C LKGiM1004BH00 15-1 BH S LKGiM1004BH13 15-1 BH S LKGiM1004BH14 15-1 BH S LKGiM1004BH16 15-1 BH S LKGiM1004BH16 15-1 BH S LKGiM1004BH17 15-1 BH S LKGiM1004BH17 15-1 BH S LKGiM1004BH18 15-1 BH S LKGiM1004BH19 15-1 BH S LKGiM1004BH19 15-1 BH S LKGiM1004BH19 15-1 BH S LKGiM1004BH20 15-1 BH S LKGiM1004BH20 15-1 BH S LKGiM1004BH20 15-1 BH S LKGiM1004BH21 15-1 BH S LKGiM1004BH23 15-1 BH S LKGiM1004BH24 15-1 BH S LKGiM1004BH25 15-1 BH S LKGiM1004BH26 15-1 BH S LKGiM1004BH27 15-1 BH S LKGiM1004BH28 15-1 BH S LKGiM1004BH29 15-1 BH S LKGiM1004BH29 15-1 BH S LKGiM1004BH30 15-1 BH S LKGiM1004BH30 15-1 BH S				_		
LHLDW2386BHZZ 3-13 AD N C " 6- 1 AD N C LHLDZ6837BHZZ 1-50 AE C LHLDZ6837BHZZ 1-49 AE C LKGiM1004BH00 15- 1 BH S LKGiM1004BH14 15- 1 BH S LKGiM1004BH15 15- 1 BH S LKGiM1004BH16 15- 1 BH S LKGiM1004BH17 15- 1 BH S LKGiM1004BH17 15- 1 BH S LKGiM1004BH18 15- 1 BH S LKGiM1004BH18 15- 1 BH S LKGiM1004BH17 15- 1 BH S LKGiM1004BH19 15- 1 BH S LKGiM1004BH19 15- 1 BH S LKGiM1004BH20 15- 1 BH S LKGiM1004BH20 15- 1 BH S LKGiM1004BH21 15- 1 BH S LKGiM1004BH23 15- 1 BH S LKGiM1004BH23 15- 1 BH S LKGiM1004BH24 15- 1 BH S LKGiM1004BH25 15- 1 BH S LKGiM1004BH26 15- 1 BH S LKGiM1004BH27 15- 1 BH S LKGiM1004BH28 15- 1 BH S LKGiM1004BH29 15- 1 BH S LKGiM1004BH30 15- 1 BH S						
## 6- 1 AD N C LHLDZ6836BHZZ 1- 50 AE C LHLDZ6837BHZZ 1- 49 AE C LKGiM1004BH00 15- 1 BH S LKGiM1004BH13 15- 1 BH S LKGiM1004BH14 15- 1 BH S LKGiM1004BH15 15- 1 BH S LKGiM1004BH16 15- 1 BH S LKGiM1004BH17 15- 1 BH S LKGiM1004BH17 15- 1 BH S LKGiM1004BH18 15- 1 BH S LKGiM1004BH18 15- 1 BH S LKGiM1004BH18 15- 1 BH S LKGiM1004BH19 15- 1 BH S LKGiM1004BH20 15- 1 BH S LKGiM1004BH20 15- 1 BH S LKGiM1004BH21 15- 1 BH S LKGiM1004BH21 15- 1 BH S LKGiM1004BH22 15- 1 BH S LKGiM1004BH23 15- 1 BH S LKGiM1004BH24 15- 1 BH S LKGiM1004BH25 15- 1 BH S LKGiM1004BH26 15- 1 BH S LKGiM1004BH27 15- 1 BH S LKGiM1004BH28 15- 1 BH S LKGiM1004BH28 15- 1 BH S LKGiM1004BH28 15- 1 BH S LKGiM1004BH29 15- 1 BH S LKGiM1004BH30 15- 1 BH S LKGiM1004BH30 15- 1 BH S				NI.		
LHLDZ6836BHZZ 1-50 AE C LHLDZ6837BHZZ 1-49 AE C LKGiM1004BH00 15-1 BH S LKGiM1004BH13 15-1 BH S LKGiM1004BH14 15-1 BH S LKGiM1004BH15 15-1 BH S LKGiM1004BH16 15-1 BH S LKGiM1004BH17 15-1 BH S LKGiM1004BH17 15-1 BH S LKGiM1004BH18 15-1 BH S LKGiM1004BH19 15-1 BH S LKGiM1004BH20 15-1 BH S LKGiM1004BH20 15-1 BH S LKGiM1004BH21 15-1 BH S LKGiM1004BH21 15-1 BH S LKGiM1004BH20 15-1 BH S LKGiM1004BH21 15-1 BH S LKGiM1004BH21 15-1 BH S LKGiM1004BH22 15-1 BH S LKGiM1004BH24 15-1 BH S LKGiM1004BH25 15-1 BH S LKGiM1004BH26 15-1 BH S LKGiM1004BH26 15-1 BH S LKGiM1004BH27 15-1 BH S LKGiM1004BH28 15-1 BH S LKGiM1004BH29 15-1 BH S LKGiM1004BH29 15-1 BH S LKGiM1004BH30 15-1 BH S LKGiM1004BH30 15-1 BH S			$\overline{}$			
LHLDZ6837BHZZ 1-49 AE C LKGiM1004BH00 15-1 BH S LKGiM1004BH13 15-1 BH S LKGiM1004BH14 15-1 BH S LKGiM1004BH15 15-1 BH S LKGiM1004BH16 15-1 BH S LKGiM1004BH17 15-1 BH S LKGiM1004BH18 15-1 BH S LKGiM1004BH19 15-1 BH S LKGiM1004BH19 15-1 BH S LKGiM1004BH20 15-1 BH S LKGiM1004BH21 15-1 BH S LKGiM1004BH22 15-1 BH S LKGiM1004BH23 15-1 BH S LKGiM1004BH24 15-1 BH S LKGiM1004BH25 15-1 BH S LKGiM1004BH26 15-1 BH S LKGiM1004BH27 15-1 BH S LKGiM1004BH27 15-1 BH S LKGiM1004BH26 15-1 BH S LKGiM1004BH27 15-1 BH S LKGiM1004BH27 15-1 BH S LKGiM1004BH28 15-1 BH S LKGiM1004BH28 15-1 BH S LKGiM1004BH29 15-1 BH S LKGiM1004BH27 15-1 BH S LKGiM1004BH28 15-1 BH S LKGiM1004BH29 15-1 BH S LKGiM1004BH29 15-1 BH S LKGiM1004BH30 15-1 BH S LKGiM1004BH30 15-1 BH S				114		
LKGiM1004BH00 15- 1 BH S LKGiM1004BH13 15- 1 BH S LKGiM1004BH14 15- 1 BH S LKGiM1004BH15 15- 1 BH S LKGiM1004BH16 15- 1 BH S LKGiM1004BH17 15- 1 BH S LKGiM1004BH18 15- 1 BH S LKGiM1004BH19 15- 1 BH S LKGiM1004BH20 15- 1 BH S LKGiM1004BH20 15- 1 BH S LKGiM1004BH21 15- 1 BH S LKGiM1004BH21 15- 1 BH S LKGiM1004BH22 15- 1 BH S LKGiM1004BH22 15- 1 BH S LKGiM1004BH23 15- 1 BH S LKGiM1004BH24 15- 1 BH S LKGiM1004BH25 15- 1 BH S LKGiM1004BH27 15- 1 BH S LKGiM1004BH28 15- 1 BH S LKGiM1004BH29 15- 1 BH S LKGiM1004BH30 15- 1 BH S LKGiM1004BH30 15- 1 BH S						
LKGiM1004BH13 15- 1 BH S LKGiM1004BH14 15- 1 BH S LKGiM1004BH15 15- 1 BH S LKGiM1004BH16 15- 1 BH S LKGiM1004BH17 15- 1 BH S LKGiM1004BH18 15- 1 BH S LKGiM1004BH19 15- 1 BH S LKGiM1004BH20 15- 1 BH S LKGiM1004BH20 15- 1 BH S LKGiM1004BH21 15- 1 BH S LKGiM1004BH22 15- 1 BH S LKGiM1004BH22 15- 1 BH S LKGiM1004BH22 15- 1 BH S LKGiM1004BH23 15- 1 BH S LKGiM1004BH24 15- 1 BH S LKGiM1004BH25 15- 1 BH S LKGiM1004BH27 15- 1 BH S LKGiM1004BH26 15- 1 BH S LKGiM1004BH27 15- 1 BH S LKGiM1004BH28 15- 1 BH S LKGiM1004BH28 15- 1 BH S LKGiM1004BH29 15- 1 BH S LKGiM1004BH30 15- 1 BH S LKGiM1004BH30 15- 1 BH S						
LKGiM1004BH15 15- 1 BH S LKGiM1004BH16 15- 1 BH S LKGiM1004BH17 15- 1 BH S LKGiM1004BH18 15- 1 BH S LKGiM1004BH19 15- 1 BH S LKGiM1004BH20 15- 1 BH S LKGiM1004BH20 15- 1 BH S LKGiM1004BH21 15- 1 BH S LKGiM1004BH22 15- 1 BH S LKGiM1004BH23 15- 1 BH S LKGiM1004BH23 15- 1 BH S LKGiM1004BH24 15- 1 BH S LKGiM1004BH25 15- 1 BH S LKGiM1004BH25 15- 1 BH S LKGiM1004BH26 15- 1 BH S LKGiM1004BH27 15- 1 BH S LKGiM1004BH28 15- 1 BH S LKGiM1004BH28 15- 1 BH S LKGiM1004BH28 15- 1 BH S LKGiM1004BH29 15- 1 BH S LKGiM1004BH29 15- 1 BH S LKGiM1004BH30 15- 1 BH S LKGiM1004BH30 15- 1 BH S LKGiM1004BH31 15- 1 BH S	LKGiM1004BH13	15- 1				
LKGiM1004BH16 15- 1 BH S LKGiM1004BH17 15- 1 BH S LKGiM1004BH18 15- 1 BH S LKGiM1004BH19 15- 1 BH S LKGiM1004BH20 15- 1 BH S LKGiM1004BH21 15- 1 BH S LKGiM1004BH22 15- 1 BH S LKGiM1004BH23 15- 1 BH S LKGiM1004BH23 15- 1 BH S LKGiM1004BH24 15- 1 BH S LKGiM1004BH25 15- 1 BH S LKGiM1004BH26 15- 1 BH S LKGiM1004BH26 15- 1 BH S LKGiM1004BH26 15- 1 BH S LKGiM1004BH27 15- 1 BH S LKGiM1004BH28 15- 1 BH S LKGiM1004BH28 15- 1 BH S LKGiM1004BH29 15- 1 BH S LKGiM1004BH29 15- 1 BH S LKGiM1004BH29 15- 1 BH S LKGiM1004BH30 15- 1 BH S	LKGIM1004BH14	15- 1	BH		S	
LKGiM1004BH17 15- 1 BH S LKGiM1004BH18 15- 1 BH S LKGiM1004BH19 15- 1 BH S LKGiM1004BH20 15- 1 BH S LKGiM1004BH21 15- 1 BH S LKGiM1004BH22 15- 1 BH S LKGiM1004BH23 15- 1 BH S LKGiM1004BH23 15- 1 BH S LKGiM1004BH24 15- 1 BH S LKGiM1004BH25 15- 1 BH S LKGiM1004BH26 15- 1 BH S LKGiM1004BH27 15- 1 BH S LKGiM1004BH27 15- 1 BH S LKGiM1004BH28 15- 1 BH S LKGiM1004BH28 15- 1 BH S LKGiM1004BH29 15- 1 BH S LKGiM1004BH29 15- 1 BH S LKGiM1004BH30 15- 1 BH S LKGiM1004BH30 15- 1 BH S			BH			
LKGiM1004BH18 15- 1 BH S LKGiM1004BH19 15- 1 BH S LKGiM1004BH20 15- 1 BH S LKGiM1004BH21 15- 1 BH S LKGiM1004BH22 15- 1 BH S LKGiM1004BH23 15- 1 BH S LKGiM1004BH24 15- 1 BH S LKGiM1004BH24 15- 1 BH S LKGiM1004BH25 15- 1 BH S LKGiM1004BH26 15- 1 BH S LKGiM1004BH27 15- 1 BH S LKGiM1004BH27 15- 1 BH S LKGiM1004BH28 15- 1 BH S LKGiM1004BH28 15- 1 BH S LKGiM1004BH29 15- 1 BH S LKGiM1004BH29 15- 1 BH S LKGiM1004BH30 15- 1 BH S LKGiM1004BH30 15- 1 BH S						
LKGiM1004BH19 15- 1 BH S LKGiM1004BH20 15- 1 BH S LKGiM1004BH21 15- 1 BH S LKGiM1004BH22 15- 1 BH S LKGiM1004BH23 15- 1 BH S LKGiM1004BH24 15- 1 BH S LKGiM1004BH25 15- 1 BH S LKGiM1004BH25 15- 1 BH S LKGiM1004BH26 15- 1 BH S LKGiM1004BH27 15- 1 BH S LKGiM1004BH28 15- 1 BH S LKGiM1004BH28 15- 1 BH S LKGiM1004BH29 15- 1 BH S LKGiM1004BH29 15- 1 BH S LKGiM1004BH30 15- 1 BH S LKGiM1004BH31 15- 1 BH S						
LKGiM1004BH20 15- 1 BH S LKGiM1004BH21 15- 1 BH S LKGiM1004BH22 15- 1 BH S LKGiM1004BH23 15- 1 BH S LKGiM1004BH24 15- 1 BH S LKGiM1004BH25 16- 1 BH S LKGiM1004BH26 15- 1 BH S LKGiM1004BH27 15- 1 BH S LKGiM1004BH27 15- 1 BH S LKGiM1004BH28 15- 1 BH S LKGiM1004BH28 15- 1 BH S LKGiM1004BH29 15- 1 BH S LKGiM1004BH29 15- 1 BH S LKGiM1004BH30 15- 1 BH S LKGiM1004BH31 15- 1 BH S					8	
LKGiM1004BH21 15- 1 BH S LKGiM1004BH22 15- 1 BH S LKGiM1004BH23 15- 1 BH S LKGiM1004BH24 15- 1 BH S LKGiM1004BH25 15- 1 BH S LKGiM1004BH26 15- 1 BH S LKGiM1004BH27 15- 1 BH S LKGiM1004BH27 15- 1 BH S LKGiM1004BH28 15- 1 BH S LKGiM1004BH29 15- 1 BH S LKGiM1004BH29 15- 1 BH S LKGiM1004BH30 15- 1 BH S LKGiM1004BH30 15- 1 BH S						
LKGiM1004BH22 15- 1 BH S LKGiM1004BH23 15- 1 BH S LKGiM1004BH24 15- 1 BH S LKGiM1004BH25 15- 1 BH S LKGiM1004BH26 15- 1 BH S LKGiM1004BH26 15- 1 BH S LKGiM1004BH27 15- 1 BH S LKGiM1004BH28 15- 1 BH S LKGiM1004BH28 15- 1 BH S LKGiM1004BH29 15- 1 BH S LKGiM1004BH30 15- 1 BH S LKGiM1004BH30 15- 1 BH S						
LKGiM1004BH23 15- 1 BH S LKGiM1004BH24 15- 1 BH S LKGiM1004BH25 15- 1 BH S LKGiM1004BH26 15- 1 BH S LKGiM1004BH27 15- 1 BH S LKGiM1004BH28 15- 1 BH S LKGiM1004BH28 15- 1 BH S LKGiM1004BH29 15- 1 BH S LKGiM1004BH30 15- 1 BH S LKGiM1004BH30 15- 1 BH S						
LKGiM1004BH24 15- 1 BH S LKGiM1004BH25 15- 1 BH S LKGiM1004BH26 15- 1 BH S LKGiM1004BH27 15- 1 BH S LKGiM1004BH28 15- 1 BH S LKGiM1004BH28 15- 1 BH S LKGiM1004BH29 15- 1 BH S LKGiM1004BH30 15- 1 BH S LKGiM1004BH31 15- 1 BH S						-
LKGiM1004BH25 15- 1 BH S LKGiM1004BH26 15- 1 BH S LKGiM1004BH27 15- 1 BH S LKGiM1004BH28 15- 1 BH S LKGiM1004BH29 15- 1 BH S LKGiM1004BH30 15- 1 BH S LKGiM1004BH30 15- 1 BH S LKGiM1004BH31 15- 1 BH S						
LKGiM1004BH26 15- 1 BH S LKGiM1004BH27 15- 1 BH S LKGiM1004BH28 15- 1 BH S LKGiM1004BH29 15- 1 BH S LKGiM1004BH30 15- 1 BH S LKGiM1004BH30 15- 1 BH S LKGiM1004BH31 15- 1 BH S	LKGiM1004BH25	15- 1	ВН		S	
LKGiM1004BH28 15- 1 BH S LKGiM1004BH29 15- 1 BH S LKGiM1004BH30 15- 1 BH S LKGiM1004BH31 15- 1 BH S			ВН		S	
LKGiM1004BH29 15- 1 BH S LKGiM1004BH30 15- 1 BH S LKGiM1004BH31 15- 1 BH S						
LKG i M 1 0 0 4 B H 3 0 15- 1 B H S LKG i M 1 0 0 4 B H 3 1 15- 1 B H S						
LKG i M 1 0 0 4 B H 3 1 15- 1 B H S						
ILNGIM10048H32 15-1 RH C	LKGIM1004BH31	15- 1	BH		S	-
LKG i M 1 0 0 4 BH 3 3 15- 1 BH S						
LKG i M 1 0 0 4 B H 3 4 15- 1 B H S						
LKG i M 1 0 0 4 B H 3 5 15- 1 B H S			$\overline{}$			
LKG i M 1 0 0 4 B H 3 6 15- 1 BH S						
LKG i M 1 0 0 4 B H 3 7 15- 1 B H S						
LKG i M 1 0 0 4 B H 3 8 15- 1 B H S						
LKG i M 1 0 0 4 B H 3 9 15- 1 B H S						
LKG i M 1 0 0 4 B H 4 4 4 5 4 B H S						
LKG i M 1 0 0 4 B H 4 1 15- 1 BH S	LNG I MI UU 4 BM 4 I	10- 1	ВH		5	

PARTS CODE	NO.	PRICE	NEW	PART	
LKG i M1 0 0 4 BH4 2	15- 1	RANK	MARK	RANK	
LKG M1004BH43	15- 1	BH		S	
LKGiM1004BH44	15- 1	BH		S	
LKG M1004BH45	15- 1	BH		S	
LKG i M1004BH46	15- 1 15- 1	BH		S	
LKGIM1004BH48	15- 1	BH		S	
LKGIM1004BH49	15- 1	BH		S	
LKGIM1004BH50	15- 1	BH		S	
LKGIM1004BH51 LKGIM1004BH52	15- 1	BH		S	
LKG1M1004BH52	15- 1 15- 1	BH		S	
LKGIM1004BH54	15- 1	BH		S	
LKGiM1004BH55	15- 1	BH		S	
LKG i M1004BH56	15- 1	BH		S	
LKGiM1004BH57 LKGiM1004BH59	15- 1 15- 1	BH		S	-
LKGIM1004BH60	15- 1	BH		S	
LKGIM1004BH61	15- 1	BH		S	
LKGIM1004BH62	15- 1	BH		S	
LKGiM1004BH63 LKGiM1004BH64	15- 1	BH		S	
LKGIM1004BH65	15- 1 15- 1	BH		S	
LKGIM1004BH66	15- 1	BH		S	
LKG1M1004BH67	15- 1	BH		S	
LKG M1004BH68	15- 1	BH		S	
LKGIM1004BH69 LKGIM1004BH70	15- 1 15- 1	BH		S	
LKG IM1004BH71	15- 1	BH		S	
LKGIM1004BH72	15- 1	ВН		S	
LKG iM1004BH73	15- 1	BH		S	
LKGIM1004BH74	15- 1 15- 1	BH		S	
LKGIM1004BH76	15- 1	BH		S	-
LKGIM1004BH77	15- 1	BH		S	
LKG1M1004BH78	15- 1	BH		S	
LKG i M1 0 0 4 B H7 9 LKG i M1 0 0 4 B H8 0	15- 1	BH		S	
LKG M1 004BH81	15- 1	BH		S	
LKGIM1004BH82	15- 1	BH		S	
LKGIM1004BH83	15- 1	BH		S	
LKG i M1 004BH84 LKG i M1 004BH85	15- 1 15- 1	BH		S	
LKG 1 M1 004BH86	15- 1	BH		S	
LKGIM1004BH87	15- 1	BH		S	
LKG M1004BH88	15- 1	BH		S	
LKGIM1004BH89 LKGIM1004BH90	15- 1 15- 1	BH		S	
LKGIM1004BH91	15- 1	BH		S	
LKGIM1004BH92	15- 1	BH		S	
LKG M1004BH93	15- 1	BH		S	
LKG i M1 0 0 4 B H 9 4	15- 1 15- 1	BH		S	
LKG IM1004BH96	15- 1	BH		S	
LKGIM1004BH97	15- 1	ВН		S	
LKG M1004BH98	15- 1	BH		S	
LKGIM1004BH99 LKGIM1004BHA0	15- 1 15- 1	BH		S	
LKG IM1004BHA1	15- 1	BH		S	
LKG i M1004BHA2	15- 1	BH		S	
LKG i M1 0 0 4 BHA3	15- 1	BH		S	
LKGIM1004BHA4	15- 1 15- 1	BH	-	S	
LKG IM1004BHA6	15- 1	BH		S	
LKGIM1004BHA7	15- 1	BH		S	
LKG IM1004BHA8	15- 1	BH		S	
LKG i M1004BHA9	15- 1 15- 1	BH		S	
LKG IM1004BHB1	15- 1	BH		S	
LKG i M1004BHB2	15- 1	BH		S	
LKG i M1004BHB3	15- 1	BH		S	
LKG i M1004BHB4	15- 1	BH		S	
LKG IM1004BHB6	15- 1 15- 1	BH		S	
LKGIM1004BHB7	15- 1	ВН		S	
LKG IM1004BHB8	15- 1	ВН		S	
LKG i M1004BHB9	15- 1 15- 1	BH		S	
LKG i M1004BHC2	15- 1	BH		S	
LKGIM1004BHC3	15- 1	BH		S	
LKG i M1004BHC4	15- 1	BH		S	

					UP-700V
DARTS CODE	NO.	PRICE	NEW	PART	
PARTS CODE	NO.	RANK	MARK	RANK	
LKG i M1 0 0 4 BHC 5	15- 1	BH		S	
LKG M1004BHC6	15- 1	BH		s	<u> </u>
LKG i M7110BHZZ	1- 34	AE		В	
"	2- 34	AE	-		
				B	
	5- 10	AE		В	<u></u>
LKG1M7111BHZZ	1- 34	AE		B	<u></u>
//	2- 34	AE		В	
"	5- 10	AE	ŀ	В	
LKGiM7113BHZZ	15-101	AF		S	
LKGiM7126BHZZ	15- 2	AX		S	†
LKGiM7129BHZZ	1- 34	AE		В	·
"	2- 34	AE		В	
"	5- 10			-	
		AE		В	
LKGIM7331BHZZ	4- 35	AE		В	ļ
"	5- 9	AE		В	
LKG i M7356BHZZ	1- 28	AK		В	
//	2- 28	AK		В	
//	5- 8	AK		В	
LKG I WOOO1 BHZA	1- 35	AS		В	
"	2- 35	AS		В	
LKG i W7330BHZZ	4- 33	AY		В	
LKGIW7355BHZB			NI.		
	1- 27	BB	N	В	
//	2- 27	BB	N	В	
LKGIW7355BHZZ	1- 27	AX		В	<u> </u>
//	2- 27	AX		В	
LKGIW7375BHZA	3- 47	BH		В	
LPLTM2363BHZZ	2- 47	AU	N	С	
LPLTM6674BHZC	4- 37	AY		c	
LPLTM6698BHZZ	1- 47	AV		C	İ
LPLTP2362BHZZ	3- 37	AR	N	C	
LX-BZ1085CCZZ			- 14	c	
	3- 2	AA			
LX-BZ6644BHZZ	6- 2	AA		С	
LX-BZ6775BHZZ	4- 17	AA		С	
LX-BZ6776BHZZ	4- 13	AA		С	
LX-HZ0056BHZZ	3- 44	AA]		С	
[M]					
MCAMM6633BHZA	4- 21	AE		С	
MHNG-2327BHZA	1- 10	AX	N	C	
//	2- 10	AX	N	č	
MLEVF6695BHZZ	4- 8	AK		C	
MLEVP6093BHZZ					
	3- 32	AF		C	
MSPRB6711BHZZ	4- 40	AD		C	
MSPRC6712BHZZ	4- 27	AF		C	
MSPRK6718BHZZ	4- 36	AF		С	
MSPRK6730BHZZ	1- 26	AC		С	<u></u>
"	2- 26	AC		С	
MSPRT6713BHZZ	4- 18	AD		С	
MSPRT6714BHZZ	4- 7	AE		C	
[N]	· ·				
NGERH2004BHZZ	5- 19	AM		С	
NROLP6650BHZZ	4- 4	AP		Č	
	4- 28	AP		C	
NROLP6656BHZZ	3- 36	AF		С	
[P]					
PCUSS2419BHZZ	1- 61	AH	N	С	
PCUSS2420BHZZ	1- 53	AF	N	С	
"	2- 53	AF	N	С	
PCUSS2421BHZZ	1- 56	AC	N	Č	
"	2- 56	AC	N	c	
PCUSS2422BHZZ	1- 54	AC	N	č	
"	2- 54	AC	N	č	
PFILW2006BHZZ					
# PF1LW2006BHZZ	1- 24	AU	N	D	
	2- 24	AU	N	D	
PFiLW2008BHZZ	1- 5	AS	N	D	
	2- 5	AS	N	D	
PFiLW6961BHZZ	1- 3	AP		D	
"	2- 3	AP		D	
PGiDH2394BHZZ	5- 20	AK		C	
PGUMM2442BHZZ	2- 45	BA	N	Č	
PGUMM6695BHZZ	4- 3	AE		C	
PGUMM6696BHZZ	3- 42	AE			
//		-		C	
	4- 25	AE		С	
PGUMM6724BHZZ	1- 45	AY		C	
PRDAF2374BHZA	6-3	AM		С	
PRDAF6661BHZC	6-4	AK	N	_ C	
PRNGT6637BHZZ	4- 34	AA		С	
PRNGT6641BHZZ	5- 17	AE		С	
PSHEK2926BHZA	2- 40	AQ	N	Ċ	
"	14- 3	AQ	N	Š	
PSHEK2927BHZA	2- 41	AG	N	č	~
"	14- 4		N		~
<u> </u>	17 4	AG	1.4	S	



PARTS CODE NO. RANK MARK RANK MARK PANK MARK PANK MARK RANK MARK PANK MARK RANK MARK PANK PANK PANK PANK PANK PANK PANK PAN	UP-700V					
PSHEK2930BHZZ	PARTS CODE	NO	PRICE		PART	
PSHEP2928BHZZ						
PSHEP2928HZZ						
FSHEP2928HZZ		-			-	
## 2						
PSHEP29 33 BHZZ						
PSHEP2934BHZZ						
PSHEP2938BHZZ			-			
## 2-555 AG N C PSHEP2938BHZZ 1-59 AE N C PSHEP6681BHZZ 5-33 AF D PSKR-6628BHZZ 4-11 AG C PSKR-6628BHZZ 4-11 AG C PSKR-6628BHZZ 4-11 AG C PSKR-6628BHZZ 4-11 AG C PSKR-6628BHZZ 4-1 AG C PSKR-6629BHZZ 4-1 AG C PSKR-6628BHZZ 3-1 AU B ACCCL1018BHZZ 3-1 AU B ACCCMM1060AC03 9-1 AB C ACCCM1060AC03 9-1 AB C ACCCM1018BHZZ 3-1 AU B ACCCMM1108BHZZ 6-5 AC C ACCMM2890BHZZ 12-1 AF N C ACCMM2899BHZZ 12-1 AF N C ACCMM2891BHZZ 12-2 AF N C ACCMM2891BHZZ 12-2 AF N C ACCMM2895BHZZ 12-2 AF N C ACCMM2895BHZZ 12-2 AF N C ACCMM2896BHZZ 6-6 AQ N C ACCMM2896BHZZ 6-11 AG N C ACCMM2901BHZZ 6-11 AG N C ACCMM2902BHZZ 10-1 AF N C ACCMM2902BHZZ 10-1 AF N C ACCMM2971BHZ 6-1 AG N C ACCMM2971BHZ 6-1 AG N C ACCMM2971BHZ 6-1 AG N C ACCMM297176BH1 B-2 AD C ACCMM7176BH1 B-2 AD C ACCMM7176BH1 B-2 AD C ACCMM7176BH1 B-3 AC C ACCMM7176BH1 B-4 AB AB C A			_			
PSHEP2938BHZZ			1			
## 2-580 AE N C PSHEP6681BHZZ 5-3 AF D PSKR-6628BHZZ 4-11 AG C PSKR-6628BHZZ 4-11 AG C PSKR-6628BHZZ 4-11 AG C ## 10 ACC						
PSHEP6681BHZZ 5-3 AF D PSKR-6628BHZZ 4-11 AG C PSKR-6628BHZZ 4-11 AG C [Q]						
PSKR-6628BHZZ				N_		
PSKR-6629BHZZ			-	-		
GOACCE 31 20 BHZZ 3- 1			-			
DACCE3120BHZZ 3-1 AV B B C CACCL1018BHZZ 3-1 AU B B CONCM1060ACO3 9-1 AB C C C C C C C C C		4-9	AL.		С	
DACCL 10 18 BHZZ						
OCNCM11018HZZ		3- 1			В	
OCNCM1101BHZZ						
OCNCM2 9 8 8 BH 0 1	QCNCM1060AC03	9- 1	AB		С	
QCNCM2890BHZZ 12- 1 AF N C QCNCM2891BHZZ 12- 2 AF N C "" 13- 1 AF N C QCNCM2895BHZZ 9- 3 AN N C "" 10- 2 AN N C QCNCM2896BHZZ 6- 6 AQ N C QCNCM2902BHZZ 10- 1 AF N C QCNCM2902BHZZ 10- 1 AF N C QCNCM2902BHZZ 10- 1 AF N C QCNCM7073RC6H 6- 8 AM C QCNCM7176BH0E 10- 3 AC C QCNCM7176BH0E 10- 3 AC C QCNCM7176BH1 J 10- 4 AD C QCNCM7176BH1 J 10- 4 AD C QCNCM7207BH4 J 6- 9 AQ C QCNCM7107BHZ 8- 4 AB C QCNCW1057ACZ 9- 4 AB C QCNCW1057ACZ 9- 4 AB C QCNCW2879BHZZ 6- 10 AT N C QCNCW2879BHZZ 6- 10 AT N C QCNCW2888BHZZ 8- 1 AN C QCNCW2888BHZZ 8- 1 AN C QCNCW2888BHZZ 8- 1 AN C QCNCW2888BHZZ 12- 3 AL N C QCNCW2889BHZZ 8- 1 AN C QCNCW2889BHZZ 8- 1 AN C QCNCW2889BHZZ 8- 1 AN C QCNCW2888BHZZ 12- 3 AL N C QCNCW2888BHZZ 12- 3 AL N C QCNCW2888BHZZ 12- 3 AL N C QCNCW2889BHZ 1- 3 AB AD N C QCNCW2889BHZ 1- 3 AB AD N C QCNCW2893BHZ 1- 3 AB AD N C QCNCW2893BHZ 1- 3 AB AD N C QCNCW118BH1 B- 8- AG C QCNCW118BHZ 1- 1- AU N C QCNCW118BHZ 1- 1- AU N C QCNCW118BHZ 1- 1- AU N C QCNCW3118BHZ 1- 1- AU N C QCNC	QCNCM1101BHZZ	6- 5	AC		С	
QCNCM2891BHZZ 12- 2 AF N C " 13- 1 AF N C QCNCM2895BHZZ 9- 3 AN N C " 10- 2 AN N C QCNCM2901BHZZ 6- 6- 6 AQ N C QCNCM2902BHZZ 10- 1 AF N C QCNCM5278NCZZ 6- 7 AC C QCNCM7073RC6H 6- 8 AM C QCNCM7176BH0E 10- 3 AC C QCNCM7176BH0E 10- 3 AC C QCNCM7176BH1E 8- 4 AE C QCNCM7176BH1 J 10- 4 AD C QCNCM7207BH4 J 6- 9 AQ C QCNCM7207BH4 J 6- 9 AQ C QCNCW282BHZZ 10- 1 AT N C QCNCW2885BHZZ 8- 10 AT N C QCNCW2885BHZZ 7- 2 AQ C QCNCW2885BHZZ 7- 2 AQ C QCNCW2885BHZZ 7- 2 AQ C QCNCW2888BHZZ 12- 3 AL N C QCNCW28893BHZZ 12- 3 AL N C QCNCW28893BHZZ 3- 48 AD C QCNCW2888BHZZ 3- 49 AC C QCNCW2888BHZZ 3- 40 AT N C QCNCW2888BHZZ 3- 48 AD N C QCNCW2889BHZZ 3- 48 AD N C QCNCW2889BHZZ 3- 48 AD N C QCNCW2889BHZZ 3- 48 AD N C QCNCW1889BHZZ 3- 48 AD N C QCNCW1889BHZZ 3- 48 AD N C QCNCW1889BHZZ 3- 48 AD N C QCNCW118BH1 8- 8 AM C QCNCW118BHI 8- 8-	QCNCM2788BH0i	9- 2	BL		С	
	QCNCM2890BHZZ	12- 1	AF	N	С	
GCNCM2895BHZZ	QCNCM2891BHZZ	12- 2	AF	N	С	
QCNCM2895BHZZ 9- 3 AN N C C	"	13- 1	AF	N	С	
	QCNCM2895BHZZ					
QCNCM2896BHZZ 6- 6 AQ N C QCNCM2902BHZZ 10- 1 AG N C QCNCM2902BHZZ 10- 1 AF N C QCNCM5278NCZZ 6- 7 AC C QCNCM7073RC6H 6- 8 AM C QCNCM7142BH1B 8- 2 AD C QCNCM7176BH0E 10- 3 AC C QCNCM7176BH0E 10- 3 AC C QCNCM7176BH1E 8- 4 AE C QCNCM7176BH1 J 10- 4 AD C QCNCM7176BH1 J 10- 4 AD C QCNCM7207BHJ J 10- 4 AD C QCNCM7207BHJ J 6- 9 AQ C QCNCM7207BHJ J 6- 9 AQ C QCNCW282BHZZ 9- 4 AB C QCNCW2879BHZZ 6- 10 AT N C QCNCW2882BHZ 8- 12 AU N C QCNCW2886BHZZ 7- 1 AJ N C QCNCW2886BHZZ 7- 12 AU N C QCNCW2886BHZZ 7- 2 AQ C QCNCW28893BHZ 7- 2 AQ C QCNCW28893BHZ 7- 3 AL N C QCNCW28893BHZ 7- 3 AL N C QCNCW28893BHZ 8- 1 AN C QCNCW28893BHZ 8- 1 AN C QCNCW28893BHZ 8- 6 AB C QCNCW118BH R 8- 6 AB C QCNCW7118BH 8- 7 AG C QCNCW7118BH 8- 7 AG C QCNCW7118BH 8- 8 AM C QCNCW7118BH 8- 7 AG C QCNCW7118BH 7 AG N C QCNCW						
QCNCM2901BHZZ 6-11 AG N C QCNCM2902BHZZ 10-1 AF N C QCNCM5278NCZZ 6-7 AC C QCNCM5278NCZZ 6-7 AC C QCNCM7073RC6H 6-8 AM C QCNCM7176BH0E 10-3 AC C QCNCM7176BH0E 10-3 AC C QCNCM7176BH1E 8-4 AE C QCNCM7176BH1J 10-4 AD C QCNCM7176BH1J 10-4 AD C QCNCM7176BH1J 10-4 AD C QCNCM7176BH1J 10-4 AD C QCNCM7207BH4J 6-9 AQ C QCNCW1057ACZZ 9-4 AB C QCNCW2423BH0E 3-49 AE C QCNCW2879BHZZ 6-10 AT N C QCNCW2879BHZZ 6-10 AT N C QCNCW2882BHZZ 6-12 AU N C QCNCW2885BHZZ 7-2 AQ C QCNCW2886BHZZ 12-3 AL N C QCNCW2886BHZZ 13-48 AD N C QCNCW2888BHZZ 8-1 AN C QCNCW2892BHZZ 3-48 AD N C QCNCW2892BHZ 3-48 AD N C QCNCW118BH0 8-5 AG C QCNCW7081BHZ 8-6 AB C QCNCW7118BH0 8-7 AG C QCNCW7118BH0 8-8 AM C QCNCW7177 AG C QCNCW7177 AG C QCNCW717	QCNCM2896BHZZ		-			
QCNCM2902BHZZ 10-1 AF N C QCNCM5278NCZZ 6-7 AC C C QCNCM7073RC6H 6-8 AM C C QCNCM7073RC6H 6-8 AM C C QCNCM7176BH0E 10-3 AC C C QCNCM7176BH0E 10-3 AC C C QCNCM7176BH1E 8-4 AE C QCNCM7176BH1 110-4 AD C QCNCM7176BH1 110-4 AD C QCNCM7176BH1 110-4 AD C QCNCM7207BH1 110-4 AD C QCNCM7207BH1 110-4 AB C QCNCM7207BH1 110-4 AB C QCNCM7207BH1 110-4 AB C QCNCM2423BH0E 3-49 AE C QCNCW2423BH0E 3-49 AE C QCNCW2877BHZZ 6-10 AT N C QCNCW2882BHZZ 6-10 AT N C QCNCW2888BHZZ 7-2 AQ C C QCNCW288BHZZ 7-2 AQ C C QCNCW288BBHZZ 7-2 AQ C C QCNCW288BBHZZ 8-1 AN C QCNCW288BBHZZ 3-48 AD N C QCNCW288BBHZZ 3-48 AD N C QCNCW2893BHZZ 3-48 AD N C QCNCW2893BHZZ 3-48 AD N C QCNCW2893BHZZ 3-48 AD N C QCNCW28BBHZZ 3-48 AD N C QCNCW18BHZZ 3-48 AD N C QCNCW11BBH0 i 8-7 AG C QCNCW71BBH0 i 8-7 AG C QCNCW71BBH1 8-8 AM C QCNCW71B			1			
QCNCM5278NCZZ 6- 7 AC C QCNCM7073R06H 6- 8 AM C QCNCM7142BH1B 8- 2 AD C QCNCM7176BH0E 10- 3 AC C QCNCM7176BH0E 8- 3 AD C QCNCM7176BH1 8- 4 AE C QCNCM7176BH1 8- 4 AE C QCNCM7176BH1 B- 9 AQ C QCNCM7207BH4 J- 6- 9 AQ C QCNCW1057ACZZ 9- 4 AB C QCNCW2423BH0E 3- 49 AE C QCNCW2879BHZZ 6- 10 AT N C QCNCW2882BHZZ 6- 10 AT N C QCNCW2885BHZZ 7- 2 AQ C QCNCW2885BHZZ 7- 2 AQ C QCNCW2886BHZZ 12- 3 AL N C QCNCW2886BHZZ 12- 3 AL N C QCNCW2893BHZZ 8- 1 AN C QCNCW2893BHZZ 3- 48 AD N C QCNCW2893BHZZ 9- 5 AS N C QCNCW2893BHZZ 9- 5 AS N C QCNCW2893BHZZ 8- 6 AB C QCNCW7118BH0 8- 7 AG C QCNCW7118BH1 8- 8 AM C QCNW73115BHZ 3- 20 AQ N C QCNW73116BHZ 3- 10 AQ N C QCNW73116BHZ 1- 62 AX N C " QCNW73116BHZ 1- 62 AX N C " QCNW73116BHZ 1- 1- 7 AG N C QCNW73118BHZ 1- 1 AU N C QCNW73116BHZ 1- 1 AU N C QCNW73133BHZ 1- 1 AU N C QCNW73133BHZ 1- 1 AU N C QCNW7313BHZ 2- AU N C QCNW7766BHZ 3- AU N C QCNW7766BHZ 3- AU N C QCNW7766BHZ 3-						
QCNCM70 73RC6H 6- 8 AM C QCNCM71 42BH1B 8- 2 AD C QCNCM71 76BH0E 10- 3 AC C QCNCM71 76BH0H 8- 3 AD C QCNCM71 76BH1 J 10- 4 AD C QCNCW10 57ACZZ 9- 4 AB C QCNCW24 23BH0E 3- 49 AE C QCNCW24 73BH0E 3- 49 AE C QCNCW28 79BHZZ 6- 10 AT N C QCNCW28 82BHZZ 6- 12 AU N C QCNCW28 86BHZZ 7- 2 AQ C QCNCW28 86BHZZ 12- 3 AL N C QCNCW28 86BHZZ 12- 3 AL N C QCNCW28 86BHZZ 3- 48 AD N C QCNCW28 93BHZZ 3- 48 AD N C QCNCW28 93BHZZ 9- 5 AS N C QCNCW28 93BHZZ B- 6 AB C QCNCW71 18BH0 8- 7 AG C QCNCW71 18BH1 8- 8 AM C			-			
QCNCM71 42BH1B						
QCNCM71 76BH0E						
QCNCM71 76BH0H 8-3 AD C QCNCM71 76BH1 B-8-4 AE C QCNCM71 76BH1 J 10-4 AD C QCNCM71 76BH1 J 10-4 AD C QCNCM71 07BH4 J 6-9 AQ C QCNCW10 57 ACZZ 9-4 AB C QCNCW2 87 BHZ 6-10 AT N C QCNCW2 87 BHZ 6-10 AT N C QCNCW2 882BHZ 7-2 AQ C QCNCW2 885BHZ 7-2 AQ C QCNCW2 885BHZ 7-2 AQ C QCNCW2 886BHZ 12-3 AL N C QCNCW2 886BHZ 3-48 AD N C QCNCW2 892BHZ 3-48 AD N C QCNCW2 892BHZ 3-48 AD N C QCNCW2 892BHZ 8-6 AB C QCNCW 1 8BH AB S AM C QCNCW 1 8BH AB S AM C QCNCW 1 8BH AB S AM C QCNCW 1 1 8BH B S AM C QCNCW 1 1 8BH C S AS N C QCNCW 1 1 8BH C S AS N C QCNCW 1 1 8BH C S AS N C QCNCW 1 1 8BH C S AS N C QCNCW 1 1 8BH C S AS N C QCNCW 1 1 8BH C S AS N C QCNCW 1 1 8BH C S AS N C QCNCW 1 1 8BH C S AS N C QCNCW 1 1 8BH C S AS N C QCNCW 1 1 8BH C S AS N C QCNCW 1 1 8BH C S AS N C QCNCW 1 1 8BH C S AS N C QCNCW 1 1 8BH C S AS N C QCNCW 1 1 8BH C S AS N C QCNCW 1 1 8BH C S AS N C S C QCNCW 1 1 8BH C S AS N C S C S AS N C S C S C S AS N C S C S C S AS N C S C S C S C S C S C S S S S S S S						
QCNCM7176BH1E 8- 4 AE C QCNCM7176BH1J 10- 4 AD C QCNCM7207BH4J 6- 9 AQ C QCNCM7207BH4J 6- 9 AQ C QCNCW1057ACZZ 9- 4 AB C QCNCW2423BH0E 3- 49 AE C QCNCW2879BHZZ 6- 10 AT N C QCNCW28879BHZZ 6- 10 AT N C QCNCW2885BHZZ 6- 12 AU N C QCNCW2885BHZZ 7- 2 AQ C QCNCW2886BHZZ 7- 2 AQ C QCNCW2886BHZZ 12- 3 AL N C QCNCW2886BHZZ 8- 1 AN C QCNCW2886BHZZ 3- 48 AD N C QCNCW2893BHZZ 3- 48 AD N C QCNCW2893BHZZ 8- 5 AS N C QCNCW2893BHZZ 8- 6 AB C QCNCW2893BHZZ 8- 6 AB C QCNCW7118BH1 A- 8- 5 AG C QCNCW7118BH1 B- 8- 8 AM C QCNCW7118BH1 B- 8- 8 AM C QCNW-3113BHZZ 3- 20 AQ N C QCNW-3113BHZZ 3- 20 AQ N C QCNW-3115BHZZ 3- 20 AQ N C QCNW-3117BHZZ 1- 62 AX N C QCNW-3117BHZZ 1- 62 AX N C QCNW-3117BHZZ 1- 62 AX N C QCNW-3118BHZZ 1- 1 AU N C QCNW-3138BHZZ 1- 1 AU N C QCNW-3138BHZ 1- 1 AU N C QCNW-3138BHZ 1- 1 AU N C QCNW-3138BHZ 1- 1 AU N C QC		_				
QCNCM7176BH1J 10- 4 AD C QCNCM7207BH4J 6- 9 AQ C QCNCW1057ACZZ 9- 4 AB C QCNCW2423BH0E 3- 49 AE C QCNCW2423BH0E 7- 1 AT N C QCNCW2882BHZZ 6- 10 AT N C QCNCW2882BHZZ 6- 12 AU N C QCNCW2886BHZZ 7- 2 AQ C QCNCW2886BHZZ 12- 3 AL N C QCNCW2888BHZZ 8- 1 AN C QCNCW2889BHZZ 3- 48 AD N C QCNCW2889BHZZ 9- 5 AS N C QCNCW2893BHZZ 9- 5 AS N C QCNCW2893BHZZ 8- 6 AB C QCNCW7081BHZZ 8- 6 AB C QCNCW7081BHZZ 8- 6 AB C QCNCW7081BHZZ 8- 6 AB C QCNCW7118BH1H 8- 8 AM C QCNCW7118BH1 1 BC N C QCNCW7118BH2Z 1- 62 AX N C QCNCW7118BHZZ 1- 62 AX N C QCNCW7117BHZ 1- 36 AG N C QCNCW7117BHZZ 1- 16 AK N C QCNCW7117BHZ 1- 17 AG N C QCNCW7117BHZ 1- 17 AG N C QCNCW7117BHZ 1- 16 AK N C QCNCW7117BHZ 1- 16 AK N C QCNCW7117BHZ 1- 17 AG N C QCNCW7117BHZ 1- 17 AG N C QCNCW7117BHZ 1- 17 AG N C QCNCW717BHZ 3- 28 AL N C QCNCW717GFBHZ 3- 28 AD N C QCNCW717GFBHZ 3- 28 AD N C QCNCW717GFBHZ 3- 28 AD N C QCNCW717GFBHZ 3- 4 AE C						
QCNCW1207BH4J 6- 9 AQ C QCNCW1057ACZZ 9- 4 AB C QCNCW2423BH0E 3- 49 AE C QCNCW2879BHZZ 6- 10 AT N C " 7- 1 AT N C QCNCW2882BHZZ 6- 12 AU N C QCNCW2885BHZZ 7- 2 AQ C QCNCW2885BHZZ 7- 2 AQ C QCNCW2886BHZZ 12- 3 AL N C QCNCW2888BHZZ 8- 1 AN C QCNCW2892BHZZ 3- 48 AD N C QCNCW2892BHZZ 3- 48 AD N C QCNCW2892BHZ 3- 48 AD N C QCNCW2892BHZ 3- 48 AD N C QCNCW2892BHZ 3- 48 AD C QCNCW2892BHAZ 8- 6 AB C QCNCW18BHAZ 8- 6 AB C QCNCW7081BHZ 8- 6 AB C QCNCW7118BH0 i 8- 7 AG C QCNCW7118BH1 8- 8 AM C QCNW7118BH1 8- 8 AM C QCNW-3113BHZZ 3- 20 AQ N C QCNW-3113BHZZ 3- 20 AQ N C QCNW-3115BHZ 1- 62 AX N C " 8- 9 AX N C QCNW-3115BHZ 1- 62 AX N C QCNW-3115BHZ 1- 36 AG N C QCNW-3117BHZ 1- 36 AG N C QCNW-3118BHZ 1- 1 AU N C QCNW-3119BHZ 1- 8 AL N C QCNW-3119BHZ 1- 1 AU N C QCNW-313BHZZ 1- 17 AG N C QCNW-3119BHZ 1- 17 AG N C QCNW-313BHZ 1- 16 AK N C QCNW-313BHZ 1- 17 AB N C QCNW-313BHZ 1- 16 AK N C QCNW-313BHZ			-			
QCNCW1 0 57ACZZ 9- 4 AB C C QCNCW2 4 23BH0 E 3- 49 AE C C QCNCW2 8 79BHZZ 6- 10 AT N C C C QCNCW2 8 84BHZZ 6- 12 AU N C QCNCW2 8 85BHZZ 7- 2 AQ C C QCNCW2 8 86BHZZ 12- 3 AL N C QCNCW2 8 86BHZZ 12- 3 AL N C QCNCW2 8 93BHZZ 3- 48 AD N C QCNCW2 8 93BHZZ 3- 48 AD N C QCNCW2 8 93BHZZ 3- 48 AD N C QCNCW3 8 93BHZZ 8- 6 AB C QCNCW7 1 18BH1 H 8- 8 AM C QCNCW7 1 18BH1 H 8- 8 AM C QCNCW7 1 18BH1 H 8- 8 AM C QCNCW7 1 13BHZZ 3- 20 AQ N C QCNCW7 1 18BH2 Z 3- 20 AQ N C QCNCW7 1 18BH1 H 8- 8 AM C QCNCW7 1 1 18BH1 H 8- 8 AM C QCNCW7 1 1 1 1 1 AU N C QCNCW 3						
QCNCW2423BH0E 3-49 AE C QCNCW2879BHZZ 6-10 AT N C "" 7-1 AT N C QCNCW2882BHZZ 6-12 AU N C QCNCW2885BHZZ 7-2 AQ C QCNCW2885BHZZ 7-2 AQ C QCNCW2886BHZZ 12-3 AL N C QCNCW288BBHZZ 8-1 AN C QCNCW2889BHZZ 3-48 AD N C QCNCW2893BHZZ 3-48 AD N C QCNCW2893BHZZ 3-5 AS N C "" 10-5 AS N C QCNCW2893BHZZ 8-6 AB C QCNCW7081BHZZ 8-6 AB C QCNCW7081BHZZ 8-6 AB C QCNCW7118BH1H 8-8 AM C QCNCW7118BH1H 8-8 AM C QCNCW7118BH1H 8-8 AM C QCNW-3113BHZZ 3-20 AQ N C QCNW-3113BHZZ 3-20 AQ N C QCNW-3114BHZZ 1-62 AX N C "" 8-9 AX N C QCNW-3115BHZZ 3-11 BC N C QCNW-3116BHZZ 1-1 AU N C QCNW-3116BHZZ 1-1 AU N C QCNW-3117BHZZ 1-36 AG N C QCNW-3118BHZZ 1-36 AG N C QCNW-3119BHZZ 1-36 AG N C QCNW-3119BHZZ 1-36 AG N C QCNW-3119BHZZ 1-36 AG N C QCNW-313BHZZ 1-36 AC N C QCNW-313BHZZ 1-37 AE N C QCNW-313BHZZ 1-57 AE N C QCNW-313BHZZ 3-28 AD N C QCNW-776BHZZ 3-28 AD C QCNW-776BHZZ 3-28 AD C QCNW-776BHZZ 3-4 AE C						
QCNCW28 79 BHZZ						
QCNCW2885BHZZ						
QCNCW2885BHZZ 7-2 AQ C QCNCW2886BHZZ 12-3 AL N C QCNCW2898BHZZ 8-1 AN C QCNCW2893BHZZ 3-48 AD N C QCNCW2893BHZZ 9-5 AS N C QCNCW2893BHZZ 9-5 AS N C QCNCW2893BHZZ 8-6 AB C QCNCW7081BHZZ 8-6 AB C QCNCW7081BHZZ 8-6 AB C QCNCW7118BH1H 8-8 AM C QCNCW7118BH1H 8-8 AM C QCNCW7118BH1H 8-8 AM C QCNCW7118BH2Z 3-20 AQ N C QCNW-3113BHZZ 3-20 AQ N C QCNW-3114BHZZ 1-62 AX N C QCNW-3115BHZZ 3-11 BC N C QCNW-3115BHZZ 1-1 AU N C QCNW-3116BHZZ 11-1 AU N C QCNW-3116BHZZ 11-1 AU N C QCNW-3117BHZZ 1-36 AG N C QCNW-3118BHZZ 1-17 AG N C QCNW-3119BHZZ 1-17 AG N C QCNW-3119BHZZ 1-16 AK N C QCNW-3119BHZZ 1-16 AK N C QCNW-3113BHZZ 3-50 AL N C QCNW-313BHZZ 3-50 AL N C QCNW-313BHZZ 1-16 AK N C QCNW-313BHZZ 1-16 AK N C QCNW-313BHZZ 1-16 AK N C QCNW-313BHZZ 8-46 AE N C QCNW-313BHZZ 8-46 AE N C QCNW-3136BHZZ 8-10 AD N C QCNW-3136BHZZ 8-47 AD N C QCNW-3138BHZZ 8-47 AD N C QCNW-3138BHZZ 8-47 AD N C QCNW-7768BHZZ 3-8 AC C QCNW-7767BHZZ 3-6 AE C QCNW-7767BHZZ 3-6 AE C QCNW-7768BHZZ 3-4 AE C						
QCNCW2886BHZZ 8- 1 AN C QCNCW2892BHZZ 3- 48 AD N C QCNCW2893BHZZ 9- 5 AS N C QCNCW2893BHZZ 9- 5 AS N C QCNCW6882BH1 A 8- 5 AG C QCNCW6882BH1 A 8- 5 AG C QCNCW7081BHZZ 8- 6 AB C QCNCW7118BH0 I 8- 7 AG C QCNCW7118BH1 H 8- 8 AM C QCNCW7118BH1 H 8- 8 AM C QCNCW7118BH2 I 62 AX N C QCNW-3113BHZZ 3- 20 AQ N C QCNW-3113BHZZ 3- 20 AQ N C QCNW-3115BHZZ 3- 11 BC N C " 8- 9 AX N C QCNW-3116BHZZ 11- 1 AU N C QCNW-3116BHZZ 11- 1 AU N C QCNW-3117BHZZ 1- 36 AG N C QCNW-3117BHZZ 1- 36 AG N C QCNW-3118BHZZ 1- 17 AG N C QCNW-3119BHZZ 1- 8 AL N C QCNW-3119BHZZ 1- 8 AL N C QCNW-313BHZZ 1- 17 AG N C QCNW-313BHZZ 1- 16 AK N C QCNW-313BHZZ 1- 57 AE N C QCNW-313BHZZ 3- 44 AE C				_N_		
QCNCW2888BHZZ						
QCNCW2892BHZZ 3-48 AD N C QCNCW2893BHZZ 9-5 AS N C "10-5 AS N C QCNCW6882BH1A 8-5 AG C QCNCW7081BHZZ 8-6 AB C QCNCW7118BH0 i 8-7 AG C QCNCW7118BH1H 8-8 AM C QCNW7118BH1H 8-8 AM C QCNW-313BHZZ 3-20 AQ N C QCNW-3113BHZZ 3-20 AQ N C QCNW-3114BHZZ 1-62 AX N C "2-62 AX N C "2-62 AX N C QCNW-3116BHZZ 3-11 BC N C QCNW-3116BHZZ 11-1 AU N C QCNW-3117BHZZ 11-36 AG N C QCNW-3117BHZZ 11-36 AG N C QCNW-3117BHZZ 11-36 AG N C QCNW-3119BHZZ 11-17 AG N C QCNW-3119BHZZ 1-8 AL N C QCNW-313BHZZ 1-16 AK N C QCNW-313BHZZ 8-46 AE N C QCNW-3136BHZZ 8-10 AD N C QCNW-3136BHZZ 8-10 AD N C QCNW-3137BHZZ 1-57 AE N C QCNW-3137BHZZ 1-57 AE N C QCNW-3138BHZZ 8-46 AE N C QCNW-3137BHZZ 1-57 AE N C QCNW-3138BHZZ 8-47 AD N C QCNW-3138BHZZ 8-47 AD N C QCNW-3138BHZZ 3-28 AD C QCNW-7768BHZZ 3-28 AD C QCNW-7768BHZZ 3-18 AH C QCNW-7768BHZZ 3-6 AE C			-	N		
QCNCW2893BHZZ		_				
## 10-5 AS N C QCNCW6882BH1A 8-5 AG C QCNCW7081BHZZ 8-6 AB C QCNCW7118BH01 8-7 AG C QCNCW7118BH1H 8-8 AM C QCNW-1035CCZZ 3-1 AL B QCNW-3113BHZZ 3-20 AQ N C QCNW-3114BHZZ 1-62 AX N C ## 2-62 AX N C ## 2-62 AX N C QCNW-3115BHZZ 3-11 BC N C QCNW-3116BHZZ 11-1 AU N C QCNW-3116BHZZ 11-1 AU N C QCNW-3117BHZZ 1-36 AG N C QCNW-3117BHZZ 1-36 AG N C QCNW-3118BHZZ 1-17 AG N C QCNW-3119BHZZ 1-18 AL N C QCNW-31319BHZZ 1-16 AK N C QCNW-3133BHZZ 1-16 AK N C QCNW-3133BHZZ 1-16 AK N C QCNW-3134BHZZ 8-46 AE N C QCNW-3136BHZZ 8-46 AE N C QCNW-3136BHZZ 8-10 AD N C QCNW-3137BHZZ 1-57 AE N C QCNW-3138BHZZ 8-47 AD N C QCNW-7762BHZZ 3-28 AD C QCNW-7762BHZZ 3-18 AH C QCNW-7768BHZZ 3-6 AE C						
QCNCW6882BH1A						
QCNCW7118BH1Z				N		
QCNCW7118BH01 8- 7 AG						
QCNCW71 18BH1H					_	
QCNW-31 13BHZZ 3- 20		8- 7	AG			
QCNW-31 13BHZZ 3- 20 AQ N C QCNW-31 14BHZZ 1- 62 AX N C " 2- 62 AX N C " 8- 9 AX N C QCNW-31 15BHZZ 3- 11 BC N C QCNW-31 16BHZZ 11- 1 AU N C QCNW-31 17BHZZ 1- 36 AG N C QCNW-31 18BHZZ 1- 17 AG N C QCNW-31 18BHZZ 1- 17 AG N C QCNW-31 19BHZZ 1- 18 AL N C " 2- 17 AG N C QCNW-31 19BHZZ 1- 18 AL N C QCNW-31 33BHZZ 1- 16 AK N C QCNW-31 33BHZZ 1- 16 AK N C QCNW-31 33BHZZ 1- 16 AK N C QCNW-31 34BHZZ 3- 50 AL N C QCNW-31 34BHZZ 8- 46 AE N C QCNW-31 34BHZZ 8- 46 AE N C QCNW-31 35BHZZ 6- 13 AD N C QCNW-31 37BHZZ 1- 57 AE N C QCNW-31 38BHZZ 8- 47 AD N C QCNW-77 52BHZZ 3- 28 AD C QCNW-77 52BHZZ 3- 18 AH C QCNW-77 68BHZZ 3- 6 AE C QCNW-77 68BHZZ 3- 4 AE		8- 8	AM		С	
QCNW-31 14BHZZ			AL		В	
## 2- 62 AX N C ## 8- 9 AX N C QCNW-31 15BHZZ 3- 11 BC N C QCNW-31 16BHZZ 11- 1 AU N C QCNW-31 17BHZZ 1- 36 AG N C ## 2- 36 AG N C QCNW-31 18BHZZ 1- 17 AG N C QCNW-31 19BHZZ 1- 17 AG N C ## 2- 17 AG N C QCNW-31 19BHZZ 1- 8 AL N C ## 2- 18 AL N C QCNW-31 20BHZZ 3- 50 AL N C QCNW-31 33BHZZ 1- 16 AK N C ## 2- 16 AK N C QCNW-31 34BHZZ 8- 46 AE N C ## 13- 3 AE N C QCNW-31 35BHZZ 6- 13 AD N C QCNW-31 36BHZZ 8- 10 AD N C QCNW-31 37BHZZ 1- 57 AE N C QCNW-31 38BHZZ 8- 47 AD N C QCNW-77 67BHZZ 3- 28 AD C QCNW-77 68BHZZ 3- 18 AH C QCNW-77 68BHZZ 3- 6 AE C QCNW-77 68BHZZ 3- 6 AE C QCNW-77 68BHZZ 3- 4 AE	QCNW-31 13BHZZ	3- 20	AQ	N	С	
## 2- 62 AX N C ## 8- 9 AX N C QCNW-31 15BHZZ 3- 11 BC N C QCNW-31 16BHZZ 11- 1 AU N C QCNW-31 17BHZZ 1- 36 AG N C ## 2- 36 AG N C QCNW-31 18BHZZ 1- 17 AG N C ## 2- 17 AG N C QCNW-31 19BHZZ 1- 8 AL N C ## 2- 18 AL N C QCNW-31 20BHZZ 3- 50 AL N C QCNW-31 33BHZZ 1- 16 AK N C QCNW-31 33BHZZ 1- 16 AK N C ## 2- 16 AK N C QCNW-31 34BHZZ 8- 46 AE N C QCNW-31 35BHZZ 8- 46 AE N C QCNW-31 36BHZZ 8- 10 AD N C QCNW-31 37BHZZ 1- 57 AE N C QCNW-31 37BHZZ 1- 57 AE N C QCNW-31 38BHZZ 3- 28 AD C QCNW-77 52BHZZ 3- 28 AD C QCNW-77 67BHZZ 3- 6 AE C QCNW-77 68BHZZ 3- 6 AE C QCNW-77 68BHZZ 3- 4 AE C	QCNW-31 14BHZZ		AX	N		
QCNW-31 15BHZZ 3-11 BC N C QCNW-31 16BHZZ 11- 1 AU N C QCNW-31 17BHZZ 1- 36 AG N C " 2- 36 AG N C QCNW-31 18BHZZ 1- 17 AG N C QCNW-31 18BHZZ 1- 17 AG N C " 2- 17 AG N C QCNW-31 19BHZZ 1- 8 AL N C " 2- 8 AL N C QCNW-31 20BHZZ 3- 50 AL N C QCNW-31 33BHZZ 1- 16 AK N C QCNW-31 33BHZZ 1- 16 AK N C QCNW-31 34BHZZ 8- 46 AE N C " 13- 3 AE N C QCNW-31 35BHZZ 6- 13 AD N C QCNW-31 37BHZZ 8- 10 AD N C QCNW-31 37BHZZ 1- 57 AE N C QCNW-31 38BHZZ 8- 47 AD N C QCNW-77 52BHZZ 3- 28 AD C QCNW-77 67BHZZ 3- 6 AE C QCNW-77 68BHZZ 3- 6 AE C QCNW-77 68BHZZ 3- 4 AE	"	2- 62	AX	N		
QCNW-31 15BHZZ 3- 11 BC N C		8- 9	AX	N	С	
QCNW-31 16BHZZ		3- 11	BC	N		
QCNW-31 17BHZZ	QCNW-31 16BHZZ	11- 1	AU	N	С	
" 2- 36 AG N C QCNW-31 18BHZZ 1- 17 AG N C " 2- 17 AG N C QCNW-31 19BHZZ 1- 8 AL N C QCNW-31 20BHZZ 3- 50 AL N C QCNW-31 33BHZZ 1- 16 AK N C QCNW-31 33BHZZ 8- 46 AE N C QCNW-31 35BHZZ 8- 46 AE N C QCNW-31 35BHZZ 6- 13 AD N C QCNW-31 36BHZZ 8- 10 AD N C QCNW-31 37BHZZ 1- 57 AE N C QCNW-31 38BHZZ 8- 47 AD N C QCNW-31 38BHZZ 8- 47 AD N C QCNW-31 38BHZZ 3- 8 AD N C QCNW-77 52BHZZ 3- 28 AD C QCNW-77 67BHZZ 3- 6 AE C QCNW-77 68BHZZ 3- 6 AE C QCNW-77 68BHZZ						
QCNW-31 18BHZZ 1- 17 AG N C " 2- 17 AG N C QCNW-31 19BHZZ 1- 8 AL N C " 2- 8 AL N C QCNW-31 20BHZZ 3- 50 AL N C QCNW-31 33BHZZ 1- 16 AK N C " 2- 16 AK N C QCNW-31 34BHZZ 8- 46 AE N C QCNW-31 35BHZZ 6- 13 AD N C QCNW-31 36BHZZ 8- 10 AD N C QCNW-31 37BHZZ 1- 57 AE N C QCNW-31 37BHZZ 8- 47 AD N C QCNW-31 38BHZZ 8- 47 AD N C QCNW-77 67BHZZ 3- 28 AD C QCNW-77 67BHZZ 3- 18 AH C QCNW-77 68BHZZ 3- 6 AE C QCNW-77 68BHZZ 3- 4 AE C						
## 2- 17 AG N C QCNW-31 19BHZZ 1- 8 AL N C ## 2- 8 AL N C QCNW-31 20BHZZ 3- 50 AL N C QCNW-31 33BHZZ 1- 16 AK N C ## 2- 16 AK N C QCNW-31 34BHZZ 8- 46 AE N C QCNW-31 35BHZZ 6- 13 AD N C QCNW-31 36BHZZ 8- 10 AD N C QCNW-31 36BHZZ 1- 57 AE N C QCNW-31 38BHZZ 1- 57 AE N C QCNW-31 38BHZZ 8- 47 AD N C QCNW-77 52BHZZ 3- 28 AD C QCNW-77 67BHZZ 3- 6 AE C QCNW-77 68BHZZ 3- 6 AE C QCNW-77 68BHZZ 3- 4 AE C	QCNW-31 18BHZZ					
QCNW-31 19BHZZ				-		
## 2- 8 AL N C QCNW-31 20BHZZ 3- 50 AL N C QCNW-31 33BHZZ 1- 16 AK N C ## 2- 16 AK N C QCNW-31 34BHZZ 8- 46 AE N C ## 13- 3 AE N C QCNW-31 35BHZZ 6- 13 AD N C QCNW-31 36BHZZ 8- 10 AD N C QCNW-31 37BHZZ 1- 57 AE N C QCNW-31 38BHZZ 8- 47 AD N C QCNW-31 38BHZZ 8- 47 AD N C ## 2- 57 AE N C QCNW-31 38BHZZ 8- 47 AD N C ## 9- 8 AD N C ## 9- 8 AD N C QCNW-77 52BHZZ 3- 28 AD C QCNW-77 67BHZZ 3- 6 AE C QCNW-77 68BHZZ 3- 4 AE C	QCNW-31 19BHZZ					
QCNW-31 20BHZZ 3-50 AL N C QCNW-31 33BHZZ 1-16 AK N C						
QCNW-31 338HZZ 1- 16 AK N C " 2- 16 AK N C QCNW-31 34BHZZ 8- 46 AE N C " 13- 3 AE N C QCNW-31 35BHZZ 6- 13 AD N C QCNW-31 36BHZZ 8- 10 AD N C QCNW-31 37BHZZ 1- 57 AE N C QCNW-31 38BHZZ 8- 47 AD N C " 2- 57 AE N C QCNW-31 38BHZZ 8- 47 AD N C " 9- 8 AD N C " 9- 8 AD N C QCNW-77 52BHZZ 3- 28 AD C QCNW-77 67BHZZ 3- 6 AE C QCNW-77 68BHZZ 3- 4 AE C	QCNW-31 20BHZZ					
## 2- 16 AK N C QCNW-31 34BHZZ 8- 46 AE N C ## 13- 3 AE N C QCNW-31 35BHZZ 6- 13 AD N C QCNW-31 36BHZZ 8- 10 AD N C QCNW-31 37BHZZ 1- 57 AE N C ## 2- 57 AE N C QCNW-31 38BHZZ 8- 47 AD N C ## 9- 8 AD N C ## 10- 7 AD N C QCNW-71 22RCZZ 3- 28 AD C QCNW-77 52BHZZ 3- 18 AH C QCNW-77 67BHZZ 3- 6 AE C QCNW-77 68BHZZ 3- 4 AE C						
QCNW-31 34BHZZ 8- 46 AE N C " 13- 3 AE N C QCNW-31 35BHZZ 6- 13 AD N C QCNW-31 36BHZZ 8- 10 AD N C QCNW-31 37BHZZ 1- 57 AE N C " 2- 57 AE N C QCNW-31 38BHZZ 8- 47 AD N C " 9- 8 AD N C " 10- 7 AD N C QCNW-71 22RCZZ 3- 28 AD C QCNW-77 52BHZZ 3- 18 AH C QCNW-77 67BHZZ 3- 6 AE C QCNW-77 68BHZZ 3- 4 AE C						
## 13- 3 AE N C QCNW-31 35BHZZ 6- 13 AD N C QCNW-31 36BHZZ 8- 10 AD N C QCNW-31 37BHZZ 1- 57 AE N C ## 2- 57 AE N C QCNW-31 38BHZZ 8- 47 AD N C ## 9- 8 AD N C ## 10- 7 AD N C QCNW-71 22RCZZ 3- 28 AD C QCNW-77 52BHZZ 3- 18 AH C QCNW-77 67BHZZ 3- 6 AE C QCNW-77 68BHZZ 3- 4 AE C	QCNW-31 34BHZZ					
QCNW-31 35BHZZ 6- 13 AD N C QCNW-31 36BHZZ 8- 10 AD N C QCNW-31 37BHZZ 1- 57 AE N C " 2- 57 AE N C QCNW-31 38BHZZ 8- 47 AD N C " 9- 8 AD N C " 9- 8 AD N C " 10- 7 AD N C QCNW-71 22RCZZ 3- 28 AD C QCNW-77 52BHZZ 3- 18 AH C QCNW-77 67BHZZ 3- 6 AE C QCNW-77 68BHZZ 3- 4 AE C						
QCNW-31 36BHZZ 8- 10 AD N C QCNW-31 37BHZZ 1- 57 AE N C " 2- 57 AE N C QCNW-31 38BHZZ 8- 47 AD N C " 9- 8 AD N C " 10- 7 AD N C QCNW-71 22RCZZ 3- 28 AD C QCNW-77 52BHZZ 3- 18 AH C QCNW-77 67BHZZ 3- 6 AE C QCNW-77 68BHZZ 3- 4 AE C			-			
QCNW-31 37BHZZ 1- 57 AE N C " 2- 57 AE N C QCNW-31 38BHZZ 8- 47 AD N C " 9- 8 AD N C " 10- 7 AD N C QCNW-71 22RCZZ 3- 28 AD C QCNW-77 52BHZZ 3- 18 AH C QCNW-77 67BHZZ 3- 6 AE C QCNW-77 68BHZZ 3- 4 AE C						
" 2-57 AE N C QCNW-3138BHZZ 8-47 AD N C " 9-8 AD N C " 10-7 AD N C QCNW-7122RCZZ 3-28 AD C C QCNW-7752BHZZ 3-18 AH C C QCNW-7767BHZZ 3-6 AE C C QCNW-7768BHZZ 3-4 AE C C			_	-		
QCNW-3138BHZZ 8-47 AD N C " 9-8 AD N C " 10-7 AD N C QCNW-7122RCZZ 3-28 AD C QCNW-7752BHZZ 3-18 AH C QCNW-7767BHZZ 3-6 AE C QCNW-7768BHZZ 3-4 AE C						
## 9- 8 AD N C ## 10- 7 AD N C QCNW-71 22RCZZ 3- 28 AD C QCNW-77 52BHZZ 3- 18 AH C QCNW-77 67BHZZ 3- 6 AE C QCNW-77 68BHZZ 3- 4 AE C						
" 10- 7 AD N C QCNW-71 22RCZZ 3- 28 AD C QCNW-77 52BHZZ 3- 18 AH C QCNW-77 67BHZZ 3- 6 AE C QCNW-77 68BHZZ 3- 4 AE C						
QCNW-71 22RCZZ 3- 28 AD C QCNW-77 52BHZZ 3- 18 AH C QCNW-77 67BHZZ 3- 6 AE C QCNW-77 68BHZZ 3- 4 AE C						
QCNW-7752BHZZ 3-18 AH C QCNW-7767BHZZ 3-6 AE C QCNW-7768BHZZ 3-4 AE C				14		
QCNW-7767BHZZ 3-6 AE C QCNW-7768BHZZ 3-4 AE C						
QCNW-7768BHZZ 3-4 AE C						
40111 / 0 80 DT 22 1-31 AF U				-		-
	GOM-19808HZZ	1- 31	Al-		Ü	

PARTS CODE						
OCNW-7880BHZZ	PARTS CODE	NO		ŀ		
OCNW-7898BHZZ 3-29 AP C GPS-C2521TAZZ 6-16 AF A A A A A A A A A A A A A A A A A A				MARK		
OFS-C2521TAZZ 6-14 AE A OFSHD2109AFZZ 6-15 AC C OFS-K2006BHZZ 6-16 AF N A QFS-K2006BHZZ 6-17 AF N A QFS-K2008BHZZ 6-18 AF N A QFS-K2008BHZZ 3-16 AL N B QSW-G2212BHZZ 3-16 AL N B QSW-G87212BHZZ 3-16 AL N B QSW-S0744AFZZ 9-6 AG B B QSW-S0744AFZZ 9-6 AG B B QSW-S0744AFZZ 9-6 AG B B CE-EZ88BTRCI 8-20 AZ C C RCILC2424BHZZ 8-11 AG B B RC-EZ106ARCIA 8-19 AD C C RCILC265SBHZZ 8-23 AS C RC C RCILC244BHZZ 8-13 AB C C<					_	
OFSHD2109AFZZ 6-15 AC C OFSS-K2006BHZZ 6-16 AF N A QFSS-K2007BHZZ 6-17 AF N A QFSS-K2007BHZZ 6-16 AF N A QFSCA0008BHZZ 6-16 AF N A QSW-G20428C32 7-3 AE C C QSW-S012BHZZ 4-14 AR B G QSW-S0744AFZZ 9-6 AG B B QSW-S1054VCKZ 7-4 AK N B RC-EZ106ARC1A 8-11 AQ B B RC-EZ106ARC1A 8-19 AD C C RCILC242BHZZ 6-21 AF N C RCILC242BHZZ 6-23 AS C C						
QFS-K2006BHZZ 6-16 AF N A QFS-K2007BHZZ 6-17 AF N A QPLGA0006QCZZ 3-1 AQ B Q QSW-G9212BHZZ 3-16 AL N B QSW-G9212BHZZ 4-14 AR B G QSW-S0744AFZZ 9-6 AG B B QSW-S1054YCKZ 7-4 AK N B QSW-S1054YCKZ 7-4 AK N B RCFE76891RC1 6-19 AD C C RC-E76891RC1 6-19 AD C C RC1LC2425BHZZ 6-21 AF N C RC1LC2425BHZZ 6-22 AF N C RC1LC2425BHZZ 6-23 AS C C RC1LC242BHZZ 6-24 AF N C RC1LC242BHZZ 6-23 AN C C RC1LC242BHZZ 6-24 AF N						
QFS-K2008BHZZ	QFS-K2006BHZZ			N		
QPLGA0006QCZZ	QFS-K2007BHZZ	6- 17	AF	N	Α	
OSOC220428C32		6- 18	AF	N	Α.	
OSW-G9212BHZZ						
QSW-M6872BHZZ						
QSW-S0744AFZZ				N		
GNSW-51054YCKZ						
RALM86 64 68 HZZ			-	N		
RALMB6646BHZZ 8-11 AQ B RC-EZ106ARC1A 6-19 AD C RC-EZ106ARC1A 6-19 AD C RC-EZ6881RC1J 6-20 AZ C RCILC2424BHZZ 6-21 AF N C RCILC2424BHZZ 6-22 AF N C RCILC2425BHZZ 6-22 AF N C RCILC6653BHZZ 6-23 AS C RCILC6653BHZZ 6-24 AF C RCORF1008ACZZ 8-13 AB C RCORF1008ACZZ 8-13 AB C RCORF2337BHZZ 6-26 AN C RCORF2337BHZZ 6-26 AN C RCORF20387BHZZ 6-25 AD N C RCORF20345BHZZ 3-9 AL C RCORF2045BHZZ 3-9 AL C RCORF2045BHZZ 3-9 AL C RCORF205BHZZ 3-9 AL C RCORF205BHZZ 3-9 AL C RCORF200BHZZ 1-59 AS C			AIS			
RC-EZ106ARC1A 6-19 AD C RC-EZ6881RC1J 6-20 AZ C RC1LC2424BHZZ 6-21 AF N C RC1LC2424BHZZ 6-21 AF N C RC1LC2425BHZZ 6-22 AF N C RC1LC36653BHZZ 6-22 AF N C RC1LC36653BHZZ 6-23 AS C RC1LZ1003BHZZ 6-24 AF C C RC0RF1008ACZZ 8-13 AB C C RC0RF1008ACZZ 8-13 AB C C RC0RF1038ACZZ 8-13 AB C C RC0RF2337BHZZ 6-26 AN C C RC0RF2337BHZZ 6-26 AN C C RC0RF2345BHZZ 6-25 AD N C RC0RF2345BHZZ 3-9 AL C C RC0RF6696BHZZ 3-9 AL C C RC0RF669BHZZ 3-5 AS AU C RC0RF669BHZZ 3-5 AS C C RC0RF6700BHZZ 1-59 AS C C RC0RF6700BHZZ 1-59 AS C C RC0RF6700BHZZ 1-59 AS C C RC0RF7002BHZZ 8-14 AD N B RCRMZ7004RCZZ 8-15 AG B RCRSF6676RCZZ 8-15 AG B B RCRSF6676RCZZ 8-15 AG D D RCRSF6676RCZZ 8-10 AG D D RCRSF66776RCZ 8-10 AG D D RCRSF66776RCZ 8-10 AG D D RCRSF6665RCZ 8-10 AG D D RCRSF6665RCZ 8-10 AG D D RCRSF665667C 8-14 BA N D T T NSSC2445BHZZ 5-12 BA N D T T NSSC2445BHZZ 5-12 BA N		8- 11	AQ		В	
RCILC2424BHZZ 6-21 AF N C RCILC2425BHZZ 6-23 AF N C RCILC36653BHZZ 6-23 AS C RCILC36653BHZZ 6-23 AS C RCILZ1003BHZZ 6-23 AF C RCORF1008ACZZ 8-13 AB C RCORF1008ACZZ 8-13 AB C RCORF2337BHZZ 6-26 AN C RCORF2337BHZZ 6-26 AN C RCORF2345BHZZ 6-25 AD N C RCORF6696BHZZ 3-9 AL C RCORF6696BHZZ 3-9 AL C RCORF6696BHZZ 1-59 AS C RCORF6696BHZZ 1-59 AS C RCORF6700BHZZ 1-59 AS C RCORF6700BHZZ 1-59 AS C RCORF6700BHZZ 1-59 AS C RCORF6700ZBHZZ 6-27 AE C RCORF6700ZBHZZ 6-27 AE C RCORMZ2002RCZZ 8-14 AD N B RCRSP6676RCZZ 8-15 AG B RCRSS2399RCZZ 8-29 AL B RCRSP6676RCZZ 1-14 BF N B RCRSS2399RCZZ 1-14 BF N B RMPTQ4101QCJJ 6-32 AB B RMPTQ4101QCJJ 6-33 AB B RMPTQ4101QCJJ 6-33 AB B RMPTQ4102QCJJ 6-34 AC B RMPTQ4103QCJJ 6-35 AB B RMPTQ4103QCJJ 6-34 AC B RMPTQ4103QCJJ 6-35 AB B RMPTQ4103QCJJ 6-34 AC B RMPTQ4103QCJJ 6-34 AC B RMPTQ4103QCJJ 6-34 AC B RMPTQ4103QCJJ 6-35 AB B RMPTQ4103QCJJ 6-36 AD N B RMPTQ4103QCJJ 6-37 BD N B RTRNP2423BHZZ 3-7 BD N B RTRNP2424BHZZ 3-7 BD N B RTRNP3443158BHZR 5-4 AR N D SPAKC3156BHZZ 5-1 BB N D SSAKH3015CCZZ 5-7 AA D SSAKH3015CCZC 5-7 AA D SSAKH3015CCZZ 5-7 AA D SSA	RC-EZ106ARC1A	6- 19	AD		C	
RCILC2425BHZZ 6-22 AF N C RCILC303BHZZ 6-24 AF C RCILC3003BHZZ 6-24 AF C RCORF1003BCZZ 8-13 AB C RCORF1003BCZZ 8-13 AB C RCORF2337BHZZ 6-26 AN C RCORF2337BHZZ 6-26 AN C RCORF2337BHZZ 6-26 AN C RCORF2337BHZZ 6-25 AD N C RCORF6696BHZZ 3-9 AL C RCORF6696BHZZ 3-9 AL C RCORF6696BHZZ 3-9 AL C RCORF609BHZZ 1-59 AS C RCORF7002BHZZ 1-59 AS C RCORF7002BHZZ 6-27 AE C RCORF7002BHZZ 6-28 AS C RCORF7002BHZZ 6-28 AS C RCORF7002BHZZ 6-28 AE C RCORF7002BHZZ 8-14 AD N B RCRMZ2002RCZZ 8-14 BF N B RCRMZ2002RCZZ 8-14 BF N B RMPT04103CZJ 6-28 AE B RMPT04101CZJ 6-31 AB B RMPT04101CZJ 6-31 AB B RMPT04101CZJ 6-31 AB B RMPT04101CZJ 6-31 AB B RMPT04101CZJ 6-32 AB B RMPT04101CZJ 6-31 AB B RMPT04101CZJ 6-32 AB B RMPT04101CZJ 6-32 AB B RMPT04101CZJ 6-33 AB B RMPT04101CZJ 6-34 AC B RRMPT04101CZJ 6-34 AC B RRMPT04101CZZ 13- 2 AG D RSAKA3154BHZL 5- 2 AQ N D SPAKC3157BHZ 5- 4 AQ N D SPAKC3157BHZ 5- 4 AR N D SPAKC3157BHZ 5- 5 BB N D SPAKC3157BHZ 5- 1 AY N D SPAKC3157BHZ 5- 12 BA N D TINSE2445BHZ 5- 12 BA N D TINSE2455BHZ 5- 12 BA N D TINSE2455BHZ 5- 12 BA N D TINSE2455BHZ 5- 12 BA N D TI		6- 20	AZ		С	
RCILC6653BHZZ 6-23 AS C RCILC1003BHZZ 6-24 AF C RCORF1008ACZZ 8-13 AB C RCORF2337BHZZ 6-26 AN C RCORF2337BHZZ 6-26 AN C RCORF2337BHZZ 6-25 AD N C RCORF2345BHZZ 6-25 AD N C RCORF6696BHZZ 3-9 AL C RCORF6696BHZZ 3-9 AL C RCORF6670BHZZ 1-59 AS C RCORF6700BHZZ 1-59 AS C RCORF6700BHZZ 1-59 AS C RCORF6700ZBHZZ 6-27 AE C RCORF6670BHZZ 1-59 AS C RCORF6670BHZZ 1-59 AS C RCORF66700ZBHZZ 6-27 AE C RCRMZ2002RCZZ 8-14 AD N B RCRMZ7004RCZ 6-28 AE B RCRSF6676RCZ 8-15 AG B RCRSF6676RCZ 8-15 AG B RCRSF6676RCZ 8-15 AG B RCRSF6700CZ 1-14 BF N B RMPTQ4102CJ 1-34 BF N B RMPTQ4102CJ 1-33 AB B RMPTQ4103CJ 1-33 AB B RMPTQ4103CJ 1-33 AB B RMPTQ4103CJ 1-34 BF N B RMPTQ4103CJ 1-35 AB B RMPTQ4103CJ 1-32 AB B RMPTQ4103CJ 1-32 AB B RMPTQ4103CJ 1-32 AB B RMPTQ4103CJ 1-32 AB B RMPTQ4103CCJ 1-32 AB B RMPTQ4102CJ 1-32 AB B RMPTQ4103CCJ 1-32 AB B RMPTQ4103CCJ 1-32 AB B RMPTQ4102CZ 1-3-7 BD N B RMPTQ4103CCJ 1-3-2 AG B RMPTQ4102CZ 1-3-7 BD N B RMPTQ4102CZ 1-3-7 BD N B RMPTQ4103CCJ 1-3-2 AG B RMPTQ4103CCJ 1-3-2 AG B RMPTQ4103CCJ 1-3-2 AG B RMPTQ4103CCJ 1-3-3 AB B RMPTQ4103CCJ 1-3						
RCILZ1003BHZZ 6-24 AF C RCORF1008ACZZ 8-13 AB C RCORF2337BHZZ 6-26 AN C RCORF2337BHZZ 6-26 AN C RCORF2345BHZZ 6-25 AD N C RCORF2345BHZZ 6-25 AD N C RCORF6696BHZZ 3-9 AL C RCORF6696BHZZ 3-9 AL C RCORF6696BHZZ 3-9 AL C RCORF6700BHZZ 1-59 AS C RCORF6700BHZZ 1-59 AS C RCORF6700BHZZ 1-59 AS C RCORF7002BHZZ 6-27 AE C RCORF7002BHZZ 8-14 AD N B RCORMZ7004RCZZ 8-14 AD N B RCORMZ7004RCZZ 8-15 AG B RCORMZ7004RCZZ 8-15 AG B RCORMZ7004RCZZ 8-15 AG B RCORMZ7004RCZZ 1-14 BF N B RMPTQ2103QCJJ 6-30 AA B RMPTQ4101QCJJ 6-31 AB B RMPTQ4101QCJJ 6-31 AB B RMPTQ4102CJJ 6-32 AB B RMPTQ4103QCJJ 6-33 AB B RMPTQ4103QCJJ 6-34 AC B RMPTQ4103QCJJ 6-34 AC B RMPTQ4104472QCJJ 6-34 AC B RTRNP2423BHZZ 3-7 BD N B RMPTQ4104472QCJJ 6-34 AC B RTRNP2423BHZZ 3-7 BD N B RMPTQ4103QCJJ 6-34 AC B RTRNP2423BHZZ 3-7 BD N B RMPTQ410QCZZ 13-2 AG B RMPTQ4472QCJJ B-34 AC B RMPTQ4400QCZ 1-4 BB A AC B RMPTQ440BA AC B RMPTQ440			-	N		
RCORF 1008ACZZ 8-13 AB C RCORF 2337BHZZ 6-26 AN C RCORF 2337BHZZ 6-26 AN C RCORF 2345BHZZ 6-25 AD N C RCORF 6896BHZZ 3-9 AL C RCORF 6896BHZZ 3-9 AL C RCORF 6896BHZZ 1-59 AS C RCORF 6700BHZZ 1-14 AD N B RCORF 676RCZ 1-14 BF N B RCORF 676RCZ 1-14 BF N B RCORF 676RCZ 1-14 BF N B RMPTQ2103QCJJ 1-2-4 BF N B RMPTQ4101QCJJ 1-2-4 BF N B RMPTQ4101QCJJ 1-30 AA B RMPTQ4102QCJJ 1-30 AA B RMPTQ4102QCJJ 1-33 AB B RMPTQ4102QCJJ 1-33 AB B RMPTQ4102QCJJ 1-34 AC B RTRNP2424BHZZ 3-7 BD N B RTRNP2421BHZZ 3-7 BD N B RTRNP2423BHZ 3-7 BD N B RTRNP243154BHZ 3-7 BD N B RTRNP3443154BHZ 3-7 BD N D RTRNP3443154BHZ 3-1 BB N D RTRNP3443BHZ 3-1 BB N D RTRNP3444BHZ 3-1 BB N D RTRNP3444BHZ 3-1 BB N D RTRNP3445BHZ 3-1						
RCÖRF 2337 BHZZ						
## 10- 6				-		
RCÖRF2345BHZZ			_			
## RCORF6699BHZZ	RCORF 2345BHZZ			N		
RCÖRF 6699 BHZZ 3- 9 AL C C RCÖRF 6699 BHZZ 1-59 AS C C						
RCORF 6700 BHZZ	RCORF 6696BHZZ		1	- 11		
## 2-59 AS C C ## AS C C C ## AS C C C C C C C C C C C C C C C C C C		3- 53	AU		C	
## 5 13 AS C RCÖRF7002BHZZ 6 27 AE C RCRRZ2002RCZZ 8-14 AD N B RCRMZ7004RCZZ 6-28 AE B RCRSP6676RCZZ 8-15 AG B RCRSZ2399RCZZ 6-29 AL B RCRSZ2399RCZZ 6-29 AL B RCRSZ2399RCZZ 6-29 AL B RLMPY2000RCZZ 1-14 BF N B ## 12-14 BF N		1- 59	AS		С	
RCORF 7 00 2 BH Z						
RCRMZ2002RCZZ 8-14 AD N B RCRMZ7004RCZZ 6-28 AE B RCRSZ2399RCZZ 6-29 AL B RCRSZ2399RCZZ 6-29 AL B RLMPY2000RCZZ 1-14 BF N B " 2-14 BF N B " 12-4 BF N B RMPTQ2103QCJJ 6-30 AA B RMPTQ4101QCJJ 6-31 AB B RMPTQ4102QCJJ 6-32 AB B RMPTQ4103QCJJ 6-32 AB B RMPTQ4103QCJJ 6-34 AC B RMPTQ4103QCJJ 6-34 AC B RMPTQ410QCZJ 16-34 AC B RTRNP2423BHZZ 3-7 BD N B RTRNP2423BHZZ 3-7 BD N B RTRNP24248HZZ 3-7 BD N B RAFTRNP2424BHZZ 3-7 BD N B RAFTRNP24518HZR 5-4 AQ N D SPAKA3154BHZR 5-4 AQ N D SPAKA3159BHZL 5-2 AR N D SPAKA3159BHZL 5-2 AR N D SPAKA3156BHZR 5-4 AR N D SPAKA3156BHZR 5-1 AY N D SPAKC3157BHSA 5-1 BB N D SSAKH3013CCZZ 5-11 AA D SSAKH3012CCZZ 5-11 AA D SSAKH3013CCZZ 5-11 AA D SSAKH3013CCZZ 5-12 BA N D TCAUS6677BHZZ 5-12 BA N D TINSE2449BHZZ 5-12 BA N D TINSE245BHZZ						
RCRMZ7004RCZZ 6-28 AE B RCRSP6676RCZZ 8-15 AG B RCRSZ2399RCZZ 6-29 AL BE RLMPY2000RCZZ 1-14 BF N B " 2-14 BF N B " 12- 4 BF N B " 12- 4 BF N B RMPTQ2103QCJJ 6-30 AA B RMPTQ4101QCJJ 6-31 AB B RMPTQ4103QCJJ 6-32 AB B RMPTQ4103QCJJ 6-32 AB B RMPTQ4103QCJJ 6-33 AB B RMPTQ4103QCJJ 6-34 AC B RMPTQ4472QCJJ 6-34 AC B RTRNP2423BHZZ 3-7 BD N B RTRNP2423BHZZ 3-7 BD N B RTRNP2424BHZZ 3-7 BD N B RTRNP2424BHZZ 3-7 BD N B RYR-B2410QCZZ 13-2 AG B [S] SPAKA3154BHZL 5-2 AQ N D SPAKA3154BHZR 5-4 AR N D SPAKA3154BHZR 5-4 AR N D SPAKA3156BHZR 5-4 AR N D SPAKA3156BHZR 5-4 AR N D SPAKA3156BHZR 5-1 AY N D SPAKC3156BHSA 5-1 AY N D SPAKC3156BHSA 5-1 AY N D SPAKC3157BHSA 5-1 BB N D SPAKC3157BHSA 5-1 BB N D SSAKH0013HCZZ 5-11 AA D SSAKH0013HCZZ 5-11 AA D SSAKH3012CCZZ 5-7 AA D SSAKH3012CCZZ 5-7 AA D SSAKH3015CCZZ 5-11 AA D SSAKH3015CCZZ 5-12 BA N D TCADZ2001BHZA 5-16 AM D TCADZ60677BHZZ 3-24 AD D TCADZ607BHZZ 5-12 BA N D TINSE2449BHZZ 5-12 BA N D TINSE2445BHZZ 5-12 BA N D TINSE2445BHZZ 5-12 BA N D TINSE245BHZZ 5-12 BA N D THARMTOTOLORITION			-			
RCRSP6676RCZZ 8-15 AG B RCRSZ2399RCZZ 6-29 AL B RLMPY2000RCZZ 1-14 BF N B " 2-14 BF N B " 12-4 BF N B RMPTQ2103QCJJ 6-30 AA B RMPTQ4101QCJJ 6-31 AB B RMPTQ4103QCJJ 6-32 AB B RMPTQ4103QCJJ 6-32 AB B RMPTQ4103QCJJ 6-34 AC B RMPTQ4103QCJJ 6-34 AC B RTRNP2423BHZZ 3-7 BD N B RTRNP2423BHZZ 3-7 BD N B RTRNP2424BHZZ 3-7 BD N B RTRNP2424BHZZ 3-7 BD N B RSPAKA3154BHZL 5-2 AG B SPAKA3154BHZL 5-2 AG N D SPAKA3154BHZL 5-2 AR N D SPAKA3159BHZL 5-2 AR N D SPAKA3156BHSA 5-1 AY N D SPAKA3156BHSA 5-1 AY N D SPAKC3157BHSA 5-1 BB N D SPAKC3157BHSA 5-1 BB N D SSAKA5004CCZZ 4-10 AA D SSAKH3013HCZZ 5-11 AA D SSAKH3013HCZZ 5-11 AA D SSAKH3015CCZZ 5-7 AA D SSAKH3015CCZZ 5-7 AA D SSAKH3015CCZZ 5-7 AA D SSAKH3015CCZZ 5-7 AA D SSAKH3015CCZZ 5-11 AA D SSAKH3015CCZZ 5-12 BA N D TCADD6788BHZA 5-16 AM D TCADC2001BHZA 5-16 AM D TCADC2001BHZC 5-15 AG D TINSE2449BHZZ 5-12 BA N D TINSE2445BHZZ 5-12 BA N D TINSE2448BHZZ 5-12 BA N D TINSE2445BHZZ 5-12 BA N D TINSE245BHZZ 5-12 BA N D TINSE2445BHZZ 5-12 BA N D TINSE245BHZZ 5-12 BA				N		
RCRSZ2399RCZZ 6-29 AL B RLMPY2000RCZZ 1-14 BF N B " 2-14 BF N B " 12-4 BF N B RMPTQ2103QCJJ 6-30 AA B RMPTQ4101QCJJ 6-31 AB B RMPTQ4102QCJJ 6-32 AB B RMPTQ4102QCJJ 6-32 AB B RMPTQ4103QCJJ 6-34 AC B RMPTQ4102QCJJ 6-34 AC B RTRNP2423BHZZ 3-7 BD N B RTRNP2423BHZZ 3-7 BD N B RTRNP2424BHZZ 3-7 BD N B RYR-B2410QCZZ 13-2 AG B SPAKA3154BHZL 5-2 AQ N D SPAKA3154BHZL 5-2 AR N D SPAKA3154BHZR 5-4 AR N D SPAKA3154BHZR 5-4 AR N D SPAKA3154BHZR 5-4 AR N D SPAKA3156BHSA 5-1 AY N D SPAKC3156BHSA 5-1 AY N D SPAKC3157BHSA 5-1 BB N D SPAKC3157BHSA 5-1 BB N D SPAKC3157BHSA 5-1 BB N D SPAKC3157BHZ 5-1 BB N D SPAKC3157BHZ 5-1 BB N D SSAKA5004CCZ 4-10 AA D SSAKH3013CCZZ 5-7 AA D SSAKH3015CCZZ 5-11 BB N D SSAKH3015CCZZ 5-11 BB N D SSAKH3015CCZZ 5-11 BB N D SSAKH3015CCZZ 5-12 BA N D TCADZ2001BHZA 5-16 AM D TCADS6677BHZZ 3-24 AD D TINSE2449BHZZ 5-12 BA N D TINSE2445BHZZ 5-12 BA N D TINSE245BHZZ 5-12 BA N D THAPR6656RC05 14-1 BA S						
RLMPY2000RCZZ						
## 12- 14 BF N B ## 12- 4 BF N				N		
RMPTQ2103QCJJ 6-30 AA B RMPTQ4101QCJJ 6-31 AB B RMPTQ4102QCJJ 6-32 AB B RMPTQ4103QCJJ 6-32 AB B RMPTQ4103QCJJ 6-34 AC B RMPTQ4472QCJJ 6-34 AC B RTRNP2423BHZZ 3-7 BD N B RTRNP2424BHZZ 3-7 BD N B RTRNP2424BHZZ 3-7 BD N B RVR-B2410QCZZ 13-2 AG B (S) SPAKA3154BHZL 5-2 AQ N D SPAKA3154BHZR 5-4 AR N D SPAKA3159BHZL 5-2 AR N D SPAKA3159BHZL 5-2 AR N D SPAKA3156BHSA 5-1 AY N D SPAKA3156BHSA 5-1 AY N D SPAKC3156BHZZ 5-1 AY N D SPAKC3157BHSA 5-1 BB N D SPAKC3157BHSA 5-1 BB N D SPAKC3157BHZZ 5-1 BB N D SSAKH0013HCZZ 5-11 AA D SSAKH3012CCZZ 5-7 AA D SSAKH3015CCZZ 5-11 AA D SSAKH301CCZZ 5-11 AA D SSAKH3015CCZZ 5-11 AA D SSAKH3015CCZZ 5-11 AA D SSAKH3015CCZZ 5-15 AA D TCADG6677BHZZ 5-16 AM D TCADG6677BHZZ 5-12 BA N D TGANE1001BHZC 5-15 AG D TGANE1001BHZC 5-12 BA N D TINSE2445BHZZ 5-12 BA N D TINSE2445BHZZ 5-12 BA N D TINSE2447BHZZ 5-12 BA N D TINSE2444BHZZ 5-12 BA N D TINSE2445BHZZ 5-12 BA N D TINSE245BHZZ 5-12 BA N D THAPR6657RO05 14- 2 BD S	"	2- 14	BF		В	
RMPTQ4101QCJJ 6-31 AB B RMPTQ4102QCJJ 6-32 AB B RMPTQ4103QCJJ 6-33 AB B RMPTQ4103QCJJ 6-33 AB B RMPTQ4472QCJJ 6-34 AC B RTRNP2423BHZZ 3-7 BD N B RTRNP2424BHZZ 3-7 BD N B RTRNP2424BHZZ 3-7 BD N B RTRNP2424BHZZ 3-7 BD N B RTRNP243154BHZL 5-2 AQ N D SPAKA3154BHZL 5-2 AQ N D SPAKA3154BHZL 5-2 AR N D SPAKA3158BHZR 5-4 AR N D SPAKA3158BHZR 5-4 AR N D SPAKA3156BHZZ 5-1 AY N D SPAKC3156BHSA 5-1 AY N D SPAKC3156BHZZ 5-1 BB N D SPAKC3157BHSA 5-1 BB N D SSAKA5004CCZZ 4-10 AA D SSAKH3012CCZZ 5-7 AA D SSAKH3015CCZZ 5-11 AA D SSAKH3015CCZZ 5-11 AA D SSAKH3015CCZZ 5-11 AA D SSAKH3015CCZZ 5-11 AA D SSAKH3015CCZZ 5-1 AA D TCADH6788BHZA 5-16 AM D TCADH678BBHZA 5-16 AM D TCAUS6677BHZZ 5-12 BA N D TINSE2449BHZZ 5-12 BA N D TINSE2446BHZZ 5-12 BA N D TINSE2445BHZZ 5-12 BA N D TINSE245BHZZ 5-12 BA N D THAPPG6657RC05 14-1 BA S TPAPR6657RC05 14-2 BD S	//	12- 4	BF	N	В	
RMPTQ4103QCJJ 6-32 AB B RMPTQ4103QCJJ 6-33 AB B RMPTQ4172QCJJ 6-34 AC B RTRNP2423BHZZ 3-7 BD N B RTRNP2424BHZZ 3-7 BD N B RTRNP2424BHZZ 3-7 BD N B RVR-B2410QCZZ 13-2 AG B (S1 SPAKA3154BHZL 5-2 AQ N D SPAKA3154BHZR 5-4 AR N D SPAKA3156BHZR 5-4 AR N D SPAKA3159BHZL 5-2 AR N D SPAKA3156BHSA 5-1 AY N D SPAKC3156BHSA 5-1 AY N D SPAKC3157BHSA 5-1 BB N D SPAKC3157BHZZ 5-1 BB N D SPAKC3157BHZZ 5-1 BB N D SSAKA5004CCZZ 4-10 AA D SSAKH3013CCZZ 5-7 AA D SSAKH3015CCZZ 5-7 AA D SSAKH3015CCZZ 5-11 AA D SSAKH3015CCZZ 5-1 AA D SSAKH3015CCZZ 5-1 AA D TCADB6788BHZA 5-16 AM D TCADB6677BHZZ 3-24 AD D TCAUS6677BHZZ 3-24 AD D TGANE1001BHZC 5-15 AG D TINSE2449BHZZ 5-12 BA N D TINSE2450BHZZ 5-12 BA N D TINSS2452BHZZ 5-12 BA N D TINSS245BHZZ 5-12 BA N D TINSS2458BHZZ 5-12 BA N D TINSS245BHZZ 5-12 BA N D THARBREAD THARBREA					_	
RMPTQ4103QCJJ 6-33 AB B RMPTQ4472QCJJ 6-34 AC B RTRNP2423BHZZ 3-7 BD N B RTRNP2424BHZZ 3-7 BD N B RTRNP2424BHZZ 3-7 BD N B RVR-B2410QCZZ 13-2 AG B (S) SPAKA3154BHZL 5-2 AQ N D SPAKA3154BHZR 5-4 AQ N D SPAKA3158BHZR 5-4 AR N D SPAKA3158BHZL 5-2 AR N D SPAKA3156BHSA 5-1 AY N D SPAKC3156BHSA 5-1 AY N D SPAKC3156BHSA 5-1 BB N D SPAKC3157BHSA 5-1 BB N D SPAKC3157BHSA 5-1 BB N D SPAKC3157BHSZ 5-1 BB N D SSAKA5004CCZZ 4-10 AA D SSAKA5004CCZZ 4-10 AA D SSAKH3012CCZZ 5-11 AA D SSAKH3012CCZZ 5-11 AA D SSAKH3015CCZZ 5-11 AA D SSAKH3015CCZZ 5-11 AA D SSAKH4231CCZZ 5-5 AA D TCADZ2001BHZA 5-16 AM D TCADGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG					_	
RMPTQ4472QCJJ 6-34 AC B RTRNP2423BHZZ 3-7 BD N B RTRNP2424BHZZ 3-7 BD N B RVR-B2410QCZZ 13-2 AG B [S] SPAKA3154BHZL 5-2 AQ N D SPAKA3154BHZR 5-4 AQ N D SPAKA3158BHZR 5-4 AR N D SPAKA3159BHZL 5-2 AR N D SPAKA3156BHSA 5-1 AY N D SPAKC3156BHSA 5-1 AY N D SPAKC3157BHZZ 5-1 BB N D SSAKA5004CCZZ 4-10 AA D SSAKH3013CCZZ 5-7 AA D SSAKH3015CCZZ 5-11 AA D SSAKH3015CCZZ 5-11 AA D SSAKH3015CCZZ 5-11 AA D SSAKH3015CCZZ 5-11 AA D TCADD6788BHZA 5-6 AC D TCADZ2001BHZA 5-16 AM D TCADG6677BHZZ 3-24 AD D TCADS6677BHZZ 3-24 AD D TINSE2449BHZZ 5-12 BA N D TINSE2445BHZZ 5-12 BA N D TINSE2447BHZZ 5-12 BA N D TINSE2445BHZZ 5-12 BA N D TINSE2446BHZZ 5-12 BA N D TINSE2446BHZZ 5-12 BA N D TINSE2445BHZZ 5-12 BA N D TINSE2450BHZZ 5-12 BA N D TINSE2450BHZZ 5-12 BA N D TINSS245BHZZ 5-12 BA N D THAPPG6656RCO5 14-1 BA S TPAPR6657RCO5 14-1 BA S TPAPR6657RCO5 14-1 BA S TPAPR6657RCO5 14-1 BA S TPAPR6657RCO5 14-1 BA S						
RTRNP2423BHZZ 3- 7 BD N B RTRNP2424BHZZ 3- 7 BD N B RVR-B2410QCZZ 13- 2 AG B SPAKA3154BHZL 5- 2 AQ N D SPAKA3154BHZR 5- 4 AQ N D SPAKA3158BHZR 5- 4 AR N D SPAKA3159BHZL 5- 2 AR N D SPAKA3156BHSA 5- 1 AY N D SPAKC3156BHSA 5- 1 AY N D SPAKC3157BHSA 5- 1 BB N D SPAKC3157BHSA 5- 1 BB N D SPAKC3157BHZZ 5- 1 BB N D SSAKA5004CCZZ 4- 10 AA D SSAKH3012CCZZ 5- 7 AA D SSAKH3015CCZZ 5- 11 AA D SSAKH3015CCZZ 5- 11 AA D SSAKH3015CCZZ 5- 5 AA D TCADD6788BHZA 5- 6 AC D TCADZ2001BHZA 5- 16 AM D TCADG678BHZA 5- 16 AM D TCADG678BHZA 5- 12 BA N D TINSE2445BHZZ 5- 12 BA N D TINSE2445BHZZ 5- 12 BA N D TINSE2447BHZZ 5- 12 BA N D TINSE2445BHZZ 5- 12 BA N D TINSE245BHZZ 5- 12 BA N D THAPPR6656RC05 14- 1 BA S TPAPR6657RC05 14- 1 BA S TPAPR6657RC05 14- 1 BA S						
RTRNP2424BHZZ 3- 7 BD N B RVR-B2410QCZZ 13- 2 AG B (S) SPAKA3154BHZL 5- 2 AQ N D SPAKA3154BHZR 5- 4 AQ N D SPAKA3159BHZL 5- 2 AR N D SPAKA3159BHZL 5- 2 AR N D SPAKA3156BHZZ 4- 38 AC D SPAKA3156BHZZ 5- 1 AY N D SPAKC3156BHZZ 5- 1 BB N D SPAKC3157BHSA 5- 1 BB N D SPAKC3157BHZZ 5- 1 BB N D SPAKC3157BHZZ 5- 1 BB N D SPAKC3157BHZZ 5- 1 BB N D SSAKA5004CCZZ 4- 10 AA D SSAKH3013CCZZ 5- 7 AA D SSAKH3012CCZZ 5- 7 AA D SSAKH3015CCZZ 5- 11 AA D SSAKH3015CCZZ 5- 11 AA D SSAKH3015CCZZ 5- 11 AA D TCADZ2001BHZA 5- 16 AM D TCADZ2001BHZA 5- 18 AN D TINSE2449BHZZ 5- 12 BA N D TINSE2449BHZZ 5- 12 BA N D TINSE2445BHZZ 5- 12 BA N D TINSE2445BHZZ 5- 12 BA N D TINSG2450BHZZ 5- 12 BA N D TINSG2450BHZZ 5- 12 BA N D TINSG245BHZZ 5- 12 BA N D THAPR6657RC05 14- 1 BA S TPAPR6657RC05 14- 1 BA S				N		
SPAKA3154BHZL S- 2 AQ						
SPAKA3154BHZL 5- 2 AQ N D SPAKA3154BHZR 5- 4 AQ N D SPAKA3158BHZR 5- 4 AR N D SPAKA3159BHZL 5- 2 AR N D SPAKA3159BHZL 5- 2 AR N D SPAKA3156BHZZ 4- 38 AC D SPAKC3156BHZZ 5- 1 AY N D SPAKC3157BHSA 5- 1 BB N D SPAKC3157BHZZ 5- 1 BB N D SSAKH3012CZZ 5- 18 AA D SSAKH3012CZZ 5- 11 AA D <td< td=""><td></td><td></td><td></td><td>-,-</td><td></td><td></td></td<>				-,-		
SPAKA3154BHZR 5- 4 AQ N D SPAKA3158BHZR 5- 4 AR N D SPAKA3159BHZL 5- 2 AR N D SPAKC3159BHZZ 4- 38 AC D SPAKC3156BHZZ 5- 1 AY N D SPAKC3157BHSA 5- 1 BB N D SPAKC3157BHZZ 5- 1 BB N D SSAKH3015CZZ 5- 11 AA D D SSAKH3015CCZZ 5- 5 AA D D TCADH6788BHZA 5- 6 AC D D TCADDE6877BHZZ 3- 24 AD D <	[8]					
SPAKA3158BHZR 5- 4 AR N D SPAKA3159BHZL 5- 2 AR N D SPAKA8255BHZZ 4- 38 AC D SPAKC3156BHSA 5- 1 AY N D SPAKC3157BHSA 5- 1 BB N D SPAKC3157BHZZ 5- 18 AA D D SSAKH3015CZZ 5- 11 AA D D SSAKH3015CCZZ 5- 5 AA D D SSAKH3015CCZZ 5- 5 AA D D TCADZ2001BHZA 5- 6 AC D D TCADZ2001BHZA 5- 16 AM D <	SPAKA3154BHZL	5- 2	AQ	N	D	
SPAKA3159BHZL 5- 2 AR N D SPAKA8255BHZZ 4- 38 AC D D SPAKC3156BHSA 5- 1 AY N D SPAKC3156BHZZ 5- 1 AY N D SPAKC3157BHZZ 5- 1 BB N D SSAKA5004CCZZ 4- 10 AA D D SSAKH3013CCZZ 5- 11 AA D D SSAKH3012CCZZ 5- 11 AA D D SSAKH3015CCZZ 5- 11 AA D D SSAKH3015CCZZ 5- 11 AA D D TCADZ2001BHZA 5- 6 AC D D TCADZ2001BHZA 5- 16 AM			,	_		
SPAKA8255BHZZ 4-38 AC D SPAKC3156BHSA 5-1 AY N D SPAKC3156BHZZ 5-1 AY N D SPAKC3157BHSA 5-1 BB N D SPAKC3157BHZZ 5-1 BB N D SPAKC3157BHZZ 5-1 BB N D SSAKA5004CCZZ 4-10 AA D SSAKH3013HCZZ 5-11 AA D SSAKH3012CCZZ 5-7 AA D SSAKH3015CCZZ 5-11 AA D SSAKH3015CCZZ 5-5 AA D SSAKH3015CCZZ 5-5 AA D SSAKH3015CCZZ 5-1 AA D TCADZ001BHZA 5-16 AM D TCADZ2001BHZA 5-16 AM D TCAUS6677BHZZ 3-24 AD D TINSE2445BHZZ 5-12 BA N D TINSE2447BHZZ 5			-			
SPAKC3156BHSA 5- 1 AY N D SPAKC3156BHZZ 5- 1 AY N D SPAKC3157BHSA 5- 1 BB N D SPAKC3157BHZZ 5- 1 BB N D SPAKC3157BHZZ 5- 1 BB N D SSAKA5004CCZZ 4- 10 AA D SSAKH3013CCZZ 5- 11 AA D SSAKH3012CCZZ 5- 11 AA D SSAKH3015CCZZ 5- 11 AA D SSAKH3015CCZZ 5- 11 AA D SSAKH3015CCZZ 5- 5 AA D SSAKH3015CCZZ 5- 5 AA D GSAKH4231CCZZ 5- 5 AA D TCADZ2001BHZA 5- 6 AC D TCADZ2001BHZA 5- 16 AM D TINSE2445BHZZ 5- 12 BA N D TINSE2445BHZZ 5- 12 BA N D				N		
SPAKC3156BHZZ 5- 1 AY N D SPAKC3157BHSA 5- 1 BB N D SPAKC3157BHZZ 5- 1 BB N D SPAKC3157BHZZ 5- 1 BB N D SSAKA5004CCZZ 4- 10 AA D SSAKH0013HCZZ 5- 11 AA D SSAKH3012CCZZ 5- 7 AA D SSAKH3015CCZZ 5- 5 AA D SSAKH3015CCZZ 5- 5 AA D SSAKH4231CCZZ 5- 5 AA D TCADH6788BHZA 5- 6 AC D TCADB678BHZA 5- 16 AM D TCAUS6677BHZZ 3- 24 AD D TGANE1001BHZC 5- 15 AG D TINSE2445BHZZ 5- 12 BA N D TINSE2445BHZZ 5- 12 BA N D TINSE2447BHZZ 5- 12 BA N D				NI		
SPAKC3157BHSA 5- 1 BB N D SPAKC3157BHZZ 5- 1 BB N D SSAKA5004CCZZ 4- 10 AA D " 5- 18 AA D SSAKH0013HCZZ 5- 11 AA D SSAKH3012CCZZ 5- 7 AA D SSAKH3015CCZZ 5- 11 AA D SSAKH4231CCZZ 5- 5 AA D (T1 TCADH6788BHZA 5- 6 AC D TCADB6678BHZA 5- 16 AM D D TCAUS6677BHZZ 3- 24 AD D D TGANE1001BHZC 5- 15 AG D D TINSE2445BHZZ 5- 12 BA N D TINSE2449BHZZ 5- 12 BA N D TINSF2451BHZZ 5- 12 BA N D TINSG2446BHZZ 5- 12 BA N D TINSS2448BHZZ 5- 12 BA						
SPAKC3157BHZZ						
SSAKA5004CCZZ						
## 5- 18 AA D SSAKH0013HCZZ 5- 11 AA D SSAKH3012CCZZ 5- 7 AA D SSAKH3015CCZZ 5- 7 AA D SSAKH4231CCZZ 5- 5- 11 AA D SSAKH4231CCZZ 5- 5- 11 AA D (T) TCADH6788BHZA 5- 6 AC D TCADZ2001BHZA 5- 16 AM D TCAUS6677BHZZ 3- 24 AD D TGANE1001BHZC 5- 15 AG D TINSE2445BHZZ 5- 12 BA N D TINSE2449BHZZ 5- 12 BA N D TINSE2447BHZZ 5- 12 BA N D TINSF2451BHZZ 5- 12 BA N D TINSF2451BHZZ 5- 12 BA N D TINSG2446BHZZ 5- 12 BA N D TINSG2446BHZZ 5- 12 BA N D TINSG2446BHZZ 5- 12 BA N D TINSG2450BHZZ 5- 12 BA N D TINSG2450BHZZ 5- 12 BA N D TINSG2450BHZZ 5- 12 BA N D TINSG2452BHZZ 5- 12 BA N D TINSS2452BHZZ 5- 12 BA N D TINSS2452BHZZ 5- 12 BA N D TLABH2545BHZZ 1-101 AX N D TPAPR6656RC05 14- 1 BA S TPAPR6657RC05 14- 1 BA S						
SSAKH3012CCZZ 5- 7 AA D SSAKH3015CCZZ 5- 11 AA D SSAKH4231CCZZ 5- 5 AA D (T) TCADH6788BHZA 5- 6 AC D TCADB6788BHZA 5- 16 AM D TCAUS6677BHZZ 3- 24 AD D TGANE1001BHZC 5- 15 AG D TiNSE2445BHZZ 5- 12 BA N D TiNSE2449BHZZ 5- 12 BA N D TiNSF2447BHZZ 5- 12 BA N D TiNSF2451BHZZ 5- 12 BA N D TiNSG2446BHZZ 5- 12 BA N D TiNSS2448BHZZ 5- 12 BA N D TINSS2452BHZZ 5- 12 BA N D TLABH2545BHZZ 1-101 AX N D TPAPR6656RC05 14- 1 BA S TPAPR6657RC05 14- 2 BD S						
SSAKH3015CCZZ 5- 11 AA D SSAKH4231CCZZ 5- 5 AA D (T] TCADH6788BHZA 5- 6 AC D TCADZ2001BHZA 5- 16 AM D TCAUS6677BHZZ 3- 24 AD D TGANE1001BHZC 5- 15 AG D TINSE2445BHZZ 5- 12 BA N D TINSE2447BHZZ 5- 12 BA N D TINSF2447BHZZ 5- 12 BA N D TINSF2447BHZZ 5- 12 BA N D TINSF245BHZZ 5- 12 BA N D TINSF245BHZZ 5- 12 BA N D TINSG246BHZZ 5- 12 BA N D TINSG2446BHZZ 5- 12 BA N D TINSG2446BHZZ 5- 12 BA N D TINSG2450BHZZ 5- 12 BA N D TINSS2450BHZZ 5- 12 BA N D TINSS2452BHZZ 5- 12 BA N D TLABH2545BHZZ 1-101 AX N D TPAPR6656RC05 14- 1 BA S TPAPR6657RC05 14- 2 BD S						
SSAKH4231CCZZ						
T						
TCADH6788BHZA 5- 6 AC D TCADZ2001BHZA 5- 16 AM D TCAUS6677BHZZ 3- 24 AD D TGANE1001BHZC 5- 15 AG D TiNSE2445BHZZ 5- 12 BA N D TiNSE2449BHZZ 5- 12 BA N D TiNSF2447BHZZ 5- 12 BA N D TiNSF2447BHZZ 5- 12 BA N D TiNSF2451BHZZ 5- 12 BA N D TiNSG2446BHZZ 5- 12 BA N D TiNSG2448BHZZ 5- 12 BA N D TiNSS2448BHZZ 5- 12 BA N D TiNSS2452BHZZ 5- 12 BA N D TINSS2452BHZZ 5- 12 BA N D TLABH2545BHZZ 1-101 AX N D TPAPR6656RC05 14- 1 BA S TPAPR6657RC05 14- 2 BD S		D- D	AA		ט	
TCADZ2001BHZA 5-16 AM D TCAUS6677BHZZ 3-24 AD D TGANE1001BHZC 5-15 AG D TINSE2445BHZZ 5-12 BA N D TINSE2449BHZZ 5-12 BA N D TINSE2447BHZZ 5-12 BA N D TINSF2451BHZZ 5-12 BA N D TINSF2451BHZZ 5-12 BA N D TINSG2446BHZZ 5-12 BA N D TINSG2446BHZZ 5-12 BA N D TINSG2446BHZZ 5-12 BA N D TINSG2448BHZZ 5-12 BA N D TINSS2448BHZZ 5-12 BA N D TINSS2452BHZZ 5-12 BA N D TINSS2452BHZZ 5-12 BA N D TLABH2545BHZZ 1-101 AX N D TPAPR6656RC05 14-1 BA S TPAPR6657RC05 14-2 BD S		5- 6	AC		n	
TCAUS6677BHZZ 3-24 AD D TGANE1001BHZC 5-15 AG D TINSE2445BHZZ 5-12 BA N D TINSE2449BHZZ 5-12 BA N D TINSF2447BHZZ 5-12 BA N D TINSF2451BHZZ 5-12 BA N D TINSF2451BHZZ 5-12 BA N D TINSG2446BHZZ 5-12 BA N D TINSG2446BHZZ 5-12 BA N D TINSG2446BHZZ 5-12 BA N D TINSG2448BHZZ 5-12 BA N D TINSS2448BHZZ 5-12 BA N D TINSS2448BHZZ 5-12 BA N D TINSS2445BHZZ 5-12 BA N D TLABH2545BHZZ 5-12 BA N D TLABH2545BHZZ 1-101 AX N D TPAPR6656RC05 14- 1 BA S TPAPR6657RC05 14- 2 BD S						
TGANE1001BHZC 5- 15 AG D TiNSE2445BHZZ 5- 12 BA N D TiNSE2449BHZZ 5- 12 BA N D TiNSF2447BHZZ 5- 12 BA N D TiNSF2451BHZZ 5- 12 BA N D TiNSF2451BHZZ 5- 12 BA N D TiNSG2446BHZZ 5- 12 BA N D TiNSG2446BHZZ 5- 12 BA N D TiNSG2445BHZZ 5- 12 BA N D TiNSS2448BHZZ 5- 12 BA N D TiNSS2448BHZZ 5- 12 BA N D TINSS2452BHZZ 5- 12 BA N D TLABH2545BHZZ 1-101 AX N D TPAPR6656RC05 14- 1 BA S TPAPR6657RC05 14- 2 BD S						
TiNSE2445BHZZ 5-12 BA N D TiNSE2447BHZZ 5-12 BA N D TiNSF2447BHZZ 5-12 BA N D TiNSF2451BHZZ 5-12 BA N D TiNSF2451BHZZ 5-12 BA N D TiNSG2446BHZZ 5-12 BA N D TiNSG2450BHZZ 5-12 BA N D TiNSG2450BHZZ 5-12 BA N D TiNSS2452BHZZ 5-12 BA N D TiNSS2452BHZZ 5-12 BA N D TLABH2545BHZZ 1-101 AX N D TPAPR6656RC05 14- 1 BA S TPAPR6657RC05 14- 2 BD S						
TiNSF2447BHZZ 5- 12 BA N D TiNSF2451BHZZ 5- 12 BA N D TiNSG2446BHZZ 5- 12 BA N D TiNSG2446BHZZ 5- 12 BA N D TiNSG2450BHZZ 5- 12 BA N D TiNSS2448BHZZ 5- 12 BA N D TiNSS2452BHZZ 5- 12 BA N D TiNSS2452BHZZ 5- 12 BA N D TLABH2545BHZZ 1-101 AX N D TPAPR6656RC05 14- 1 BA S TPAPR6657RC05 14- 2 BD S				N	D	
TiNSF2451BHZZ 5-12 BA N D TiNSG2446BHZZ 5-12 BA N D TiNSG2450BHZZ 5-12 BA N D TiNSS2448BHZZ 5-12 BA N D TiNSS2448BHZZ 5-12 BA N D TiNSS2452BHZZ 5-12 BA N D TLABH2545BHZZ 1-101 AX N D TPAPR6656RC05 14-1 BA S TPAPR6657RC05 14-2 BD S						
TiNSG2446BHZZ 5-12 BA N D TiNSG2450BHZZ 5-12 BA N D TiNSS2448BHZZ 5-12 BA N D TiNSS2452BHZZ 5-12 BA N D TINSS2452BHZZ 5-12 BA N D TLABH2545BHZZ 1-101 AX N D TPAPR6656RC05 14-1 BA S TPAPR6657RC05 14-2 BD S						
TiNSG2450BHZZ 5-12 BA N D TiNSS2448BHZZ 5-12 BA N D TiNSS2452BHZZ 5-12 BA N D TLABH2545BHZZ 1-101 AX N D TPAPR6656RC05 14- 1 BA S TPAPR6657RC05 14- 2 BD S						
TiNSS2448BHZZ 5-12 BA N D TiNSS2452BHZZ 5-12 BA N D TLABH2545BHZZ 1-101 AX N D TPAPR6656RC05 14-1 BA S TPAPR6657RC05 14-2 BD S [U]						
TINSS2452BHZZ 5-12 BA N D TLABH2545BHZZ 1-101 AX N D TPAPR6656RC05 14- 1 BA S TPAPR6657RC05 14- 2 BD S [U]						
TLABH2545BHZZ 1-101 AX N D TPAPR6656RC05 14- 1 BA S TPAPR6657RC05 14- 2 BD S [U]						
TPAPR6656RC05 14- 1 BA S TPAPR6657RC05 14- 2 BD S [U]						
[U]						
		14- 2	BD		S	
UBA 1 2 6 6 6 1 BHZ 2 1- 30 BA B						
	ORVITORRIBHTZ	1- 30	BA		В	

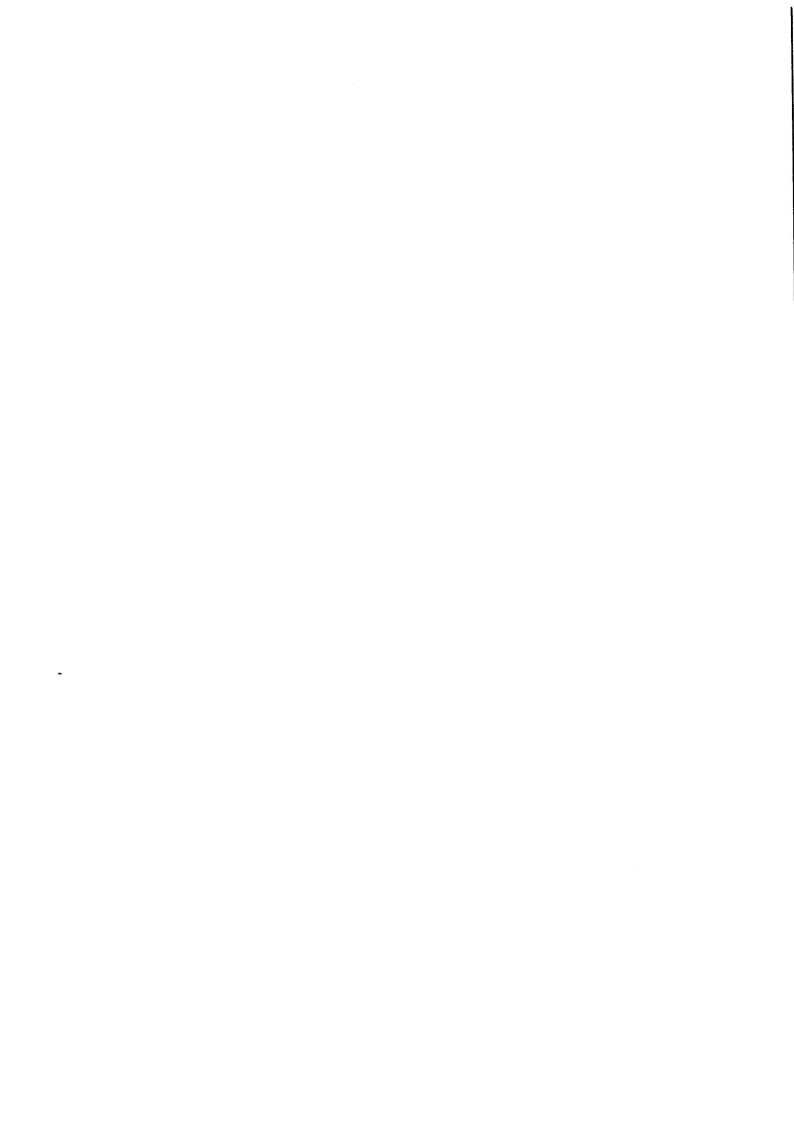
PARTS CODE	NO.	PRICE	NEW MARK	PART RANK	
UBATZ6661BHZZ	2- 30	BA	MARK	B	-
UKOG-2357RCZZ	15-105	BL		S	
UKOG-6634RCZZ	15-106	AX		S	
UKOG-6705RCZZ	15-102	BC		S	
UKOG-6725BHZZ	15-107	BB		S	
UKOG-6729BHZZ	15-103	AZ		S	
[٧]					
VCCCCY1HH101J	6- 35	AA		С	
VCCCCY1HH150J	8- 16	AB		С	
VCCCCY1HH331J	6- 36	AB		С	
VCCCCY1HH470J	6- 37	AA		C	
VCCCCY1HH471J	6- 38	AA		C	
VCCCTV1HH8R0C	8- 17 6- 39	AA AB	N	C	
VCEAFX1AW226M	6- 40	AK	N	c	
WCEAFATAW220W	8- 18	AK	N	č	
VCEAGD1CW108M	6- 41	AE	-,,	Č	
VCEAGU1VW228M	6- 42	AG		C	
VCEAPF1HW105M	6- 43	AE	N	Č	
"	12- 5	AE	N	С	
VCEAPF1HW106M	6- 44	AE	N	С	
VCEAPF1HW475M	12- 6	AE	N	С	
VCEAPF1VW106M	6- 45	AE	N	С	
VCEAPS1CC106M	6- 46	AC		С	
//	7- 5	AC		С	
	8- 19	AC		C	
VCEAPS1CC226M	6- 47	AC		C	
VCKYCY1HB102K	6- 48	AA		C	
//	8- 20	AA		C	
VCKYCY1HB222K	8- 21	AA		C	
VCKYCY1HF104Z	6- 49 7- 6	AA	-	C	
	7- 6 8- 22	AA		C	
"	12- 7	AA		C	
VCKYTV1CB474K	6- 50	AC		c	
"	8- 23	AC		C	
VCKYTV1CF105Z	12- 8	AB		С	
VCKYTV1HB103K	6- 51	AB		С	
VCQYNA1HM333K	6- 52	AA		С	
VHD1SR159//-1	6- 53	AF		В	
VHD1SS353//-1	6- 54	AB		В	
VHDCP301///-1	8- 24	AB		B	
VHDRB060L//-1	6- 55 6- 56	AL AK		В	
VHDRB160L60-1	6- 57	AF	N	В	
VHEPTZ30B++-1	6- 58	AG		В	
VHEPTZ6.2A/-1	6- 59	AH		В	
VHEPTZ6R2B/-1	6- 60	AG	N	В	
VHERD4.3MB1-1	6- 61	AC		В	
VHHM I NSMDC 020	9- 7	AF		В	
VH i 28F016SU70	6- 62	BR		В	
VH i 6284LLT7-1	6- 70	BN	N	В	
VH 165945GDP13	6- 63	BA	N	В	
VH 174LS138NS1	8- 25	AD		В	
VH174LV08/DR/	6- 65	AK		В	
VHI74LV14ADR/ VHIBA00ASFP-1	6- 66 8- 26	AM AR		B	
VH BA033F++-1	6- 67	AP	N	В	
VHIBA10393F-1	6- 68	AC	- 14	В	
VHIG76C256F70	6- 69	BC		В	
VH1H4728B02FS	8- 27	AW		В	
VH1H641510810	6- 71	BA		В	
VHIKIA431F/-1	6- 72	AK		В	
VHIKID65083AP	8- 28	AM		В	
VHILA5312V/-1	12- 9	AM		В	
VHILM2574-ADJ	6- 73	AU		В	
VH i M66271 EP-1	12- 12	AL	N	B B	
VHIM66271FP-1 VHIMAX3241/-1	6- 74 6- 75	BA AT	14	B	
VHIPQ1CG2032F	6- 76	AL		В	
VH I SMA 7 0 3 6 M-1	6- 77	BA	N	В	
VHISN74HC00DR	6- 78	AG		В	
VHISN74HC02DR	6- 79	AH		В	
VHISN74HC153D	8- 29	AK		В	
VHISN74LS125R	8- 30	AL		В	
VHISNLVOOAS-1	6- 64	AK	N	<u>B</u>	
VHITA8428K/-1	6- 80	AN		В	
VHiTD62308F-1 VHiW42C3103G/	6- 81 6- 82	AH		В	
VHPHDSP5621-1	11- 2	AM		В	
VRD-RC2EY270J	11- 3	AA		C	

					UP-700V
PARTS CODE	NO.	PRICE	NEW	PART	
		RANK	MARK	RANK	
VRS-CY1JD000J	6- 83	AA		С	
//	8- 31	AA		С	
//	12- 13	AA		С	
VRS-CY1JD100J	6- 84	AA		C	
VRS-CY1JD102F	6- 85	AA		С	
VRS-CY1JD102J	6- 86	AA		C	
VRS-CY1JD103J	6- 87	AA		С	
VRS-CY1JD104J	6- 88	AA		C	
VRS-CY1JD105J	8- 32	AA		С	
VRS-CY1JD122F	6- 90	AB		С	
VRS-CY1 JD123 J	8- 33	AA		C	
VRS-CY1JD151J	8- 34	AA		C	
VRS-CY1JD163F	6- 92	AA		С	
VRS-CY1JD180J	12- 14	AA		С	
VRS-CY1JD181J	8- 35	AA		C	
VRS-CY1JD183F	6- 93	AA		C	
VRS-CY1JD183J	6- 94	AA		С	
VRS-CY1JD202F	6- 95	AA		С	
VRS-CY1 JD203 J	6- 96	AA		С	
VRS-CY1 JD221 J	6- 97	AA		С	
//	8- 36	AA		С	ļ
VRS-CY1 JD222F	6- 98	AA		С	
VRS-CY1JD222J	6- 99	AA		С	
//	8- 37	AA		С	
// // // // // // // // // // // // //	12- 15	AA		С	
VRS-CY1JD223F	6-100	AA		С	
VRS-CY1JD241J	6-101	AA		C	
// VDC 0V4 ID0405	12- 16	AA		С	
VRS-CY1 JD242F	8- 38	AA		С	
VRS-CY1JD302F	6-103	AA		С	
VRS-CY1JD302J	12- 17	AA		С	
VRSCY1JD3091F	6-104	AA		С	
VRS-CY1JD330J	6-105	AA		С	
"	8- 39	AA		C	
VRS-CY1JD333J	6-106	AA		С	
VRS-CY1JD362F	6-107	AA		С	
VRS-CY1JD470J	6-108	AA		С	
VRS-CY1JD472F	6-109	AA		С	
VRS-CY1JD472J	6-110	AA		С	
"	8- 40	AA		С	
VRS-CY1JD473J	6-111	AA		С	
//	8- 41	AA		С	
VRS-CY1JD562J	6-112	AA		С	
VRS-CY1 JD563 J	6-113	AA		С	
VRS-CY1JD680F	6-114	AA	N	С	
VRS-CY1 JD682F	8- 42	AA		С	
VRS-CY1JD912F	6-115	AA		С	
VRSCY1 JR1151F	6- 89	AA	N	C	
VRSCY1JR1330F	6- 91	AA	N	С	
VRS-CY1JR301F	6-102	AA	N	С	
VRS-TE2HF1R0F	6-116	AD	N	С	
VRS-TS2ED392J	6-117	AD	N	C	
VRS-TS3AD8R2J	6-118	AD	N	C	
VS2SA1036KQRC	6-119	AB		В	
VS2SC2412K/-1	6-120	AB		В	
// VC0CK1000// 1	8- 43	AB		В	
VS2SK1826//-1	6-121	AC		В	
VSKRC106S//-1	8- 44	AD		В	
VSKTA1664//-1	8- 45	AD		В	
VSKTD998///-1	6-122	AS		В	
VSMTD2955V+-1	6-123	AQ	N	В	
VVLLF10036FAT	12- 18	BF	N	В	
[X]	4 04				
XBBSC30P06000	1- 21	AA		Č	
	2- 21	AA		<u>c</u>	
XBBSC30P20000	3- 40	AA		Č	
XBPSD30P06000	6-124	AA		C	
XBPSD30P06K00	3- 27	AA		C	
XEBSD30P06000 XEBSD30P08000	1- 48	AA		C	
# XEBSD30P08000	1- 23	AA		C	
"	2- 23	AA		C	
XEBSD30P10000	3- 17	AA	-	- C	
XHBSD30P04000	1- 32	AA		C	
#HBSD30P04000	2- 32	AA		С	
XHBSD30P06000	3- 35	AA		C	
	4- 1	AA		C	
XHBSD30P12000	4- 26	AA		C	
XHBSD40P15000 XHPSC30P08000	4- 39	AA		C	
XHPSC30P08000 XHPSD40P08KS0	4- 41	AA		- C	
XJBSD30P10000	3- 38	AA	-	- c	
VARADARE (AAA)	3- 14	AA		С	



UP-700V					
PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
XJBSD30P14000	3- 43	AA	IMPARIX	C	
XJPSD30P06000	1- 63	AA		С	
XJPSD30P08000	1- 60	AA		С	
XJPSD30P12X00	2- 60 3- 30	AA AB		C	
XJSSD26P08000	3- 51	AA		C	
XJSSD30P08000	1- 15	AA		С	1
"	2- 15	AA		С	
XNESD40-32000 XNESD60-50000	4- 24	AA		C	
XRESJ50-06000	4- 29 4- 20	AA		C	
XUBSD23P06000	2- 48	AA	N	C	
XUBSD30P08000	4- 5	AA		С	
XUBSD40P08000	3- 5	AA		C	
XUBSD40P10000	1- 33 2- 33	AA		c	
XUPSD23P08000	1- 37	AA		C	
"	2- 37	AA		C	
XUPSD40P08000	1- 11	AA	<u> </u>	C	
XUPSD40P12000	2- 11 3- 46	AA		C	
XWSSD40-10000	4- 23	AA		č	
XWSSD60-15000	4- 30	AA		C	
			-		
		_			
		 	<u> </u>		
		<u> </u>			
		-			
		_			
			-		
		-			
		 			
		-			
				ļ	
		-			
	L	<u> </u>			

		PRICE	NEW	PART	
PARTS CODE	NO.	PRICE RANK	MARK	PART RANK	
		-			
			-		
,		 			
•••					
		-			
•					
•					
.					
		-			
	,				
ill Armore					
			-		





SHARP

COPYRIGHT © 2001 BY SHARP CORPORATION

All rights reserved.
Printed in Italy.
No part of this publication may be reproduced,
stored in a retrieval system, or transmitted.
In any form or by any means,
electronic, mechanical, photocopying, recording, or otherwise,
without prior written permission of the publisher.

SHARP CORPORATION
Digital Document Systems Group
Quality & Reliability Control Center
Yamatokoriyama, Nara 639-1186, Japan